



# Dr. Siva Rama Krishna Tummalapalli

M.Tech., Ph.D., AFCEH, CloudU Certified, IBM Blockchain Foundation Developer, FinSIG, CCD, AACARPAP, CCNA v7 (Instructor), AWS CCP, AWSA AE, ACE, DIGov, PCCET

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## Educational Credentials

### Ph.D. in Computer Science and Engineering on the thesis titled **Log Analysis Methods for Assisting Crime Investigations in Cloud Environments**

- Jawaharlal Nehru Technological University Kakinada
- Under the guidance of Dr. A. S. N. Chakravarthy, Professor of CSE & Special Officer, JNTUK.

### M.Tech. in Computer Science and Technology with specialization in **Computer Networks**

- Andhra University College of Engineering (A)
- CPGA – 7.94/10
- First Class

### B.Tech. in Computer Science and Engineering

- Pragati Engineering College
- 70.64%
- First Class with Distinction

## Employment History

2<sup>nd</sup> Feb, 2023 to Till Date

### JNTUK- University College of Engineering Narasaraopet Assistant Professor in Dept. of CSE

- Officer In-charge of Examinations from Mar 2023 to Till Date.
- Head of the Department, CSE from Feb 2023 to Till Date.
- Webmaster of the college from Feb 2023 to Till Date.

2<sup>nd</sup> Jan, 2013 to 31<sup>st</sup> Jan, 2023

### JNTUK- University College of Engineering Vizianagaram (A) Assistant Professor in Dept. of CSE

- Public Relations Officer of JNTUGV from Aug 2022 to Jan 2023
- Nodal Officer e-Office of JNTUGV from Jun 2022 to Jan 2023
- Officer In-charge of Library from Jan 2022 to Jan 2023
- Officer In-charge of Examinations from Apr 2019 to Apr 2021.
- Network Admin. of the college from Apr 2017 to April 2019.
- Webmaster of the college from Dec 2013 to Feb 2016.
- Chief Editor, SCIRE, Dept. of CSE magazine.

18<sup>th</sup> Oct, 2010 to 31<sup>st</sup> Dec, 2012

### Vishnu Institute of Technology Assistant Professor in Dept. of CSE

- Person-in-charge for the Jawahar Knowledge Centre activities.
- Member of the College Research Committee.



12<sup>th</sup> June, 2008 to 12<sup>th</sup> Oct, 2010

## Pragati Engineering College

### Assistant Professor in Dept. of CSE

- Developed and maintained Pragati e-Learning Portal (PEP), a moodle based learning platform.
- Coordinator for DATA CONNECT-2010, a national level technical symposium.

## Scholarly Activity

### Papers Published

- Y. Jaya Babu, G. J. Phani Bala and Siva Rama Krishna T. , “EXTRACTING SPATIAL ASSOCIATION RULES FROM THE MAXIMUM FREQUENT ITEMSETS BASED ON BOOLEAN MATRIX”, International Journal of Engineering Science & Advanced Technology, ISSN: 2250–3676, Volume - 2, Issue - 1, pp. 234 – 239, Jan-Feb 2012.
- M. V. Rajesh, Soma Sekhar T. and Siva Rama Krishna T., “ENHANCED SECURE DATA ACCESS MODEL FOR PUBLIC CLOUDS”, International Journal for Research in Science and Advanced Technologies, ISSN: 2319-2690, Volume - 1, Issue - 1, pp. 039 – 045, July-August 2012.
- Siva Rama Krishna T, K. S. N. Murthy and Dr. A. S. N. Chakravarthy, “A REVIEW OF BLOCKCHAIN TECHNOLOGY AND ITS APPLICATION IN INTERNET OF THINGS”, International Journal of Management, Technology And Engineering, Volume- 8, Issue – 12, pp 2714-2722, December 2018.
- I Sajid Ali and Siva Rama Krishna T., “HONEYPOT BASED INTRUSION DETECTION SYSTEM TO COUNTER ATTACKS ON SSH ”, International Journal of Engineering Innovations in Advanced Technology, ISSN: 2582-1431, Volume- I, Issue: II, June 2019.
- I Joseph Kishore and Siva Rama Krishna T., “EMAIL SPAM DETECTION USING NLP”, International Journal of Engineering Innovations in Advanced Technology, ISSN: 2582-1431, Volume- II, Issue: I, March 2020.
- Siva Rama Krishna T. and A. S. N. Chakravarthy, “INTRUSION DETECTION SYSTEM FOR CLOUD FORENSICS USING BAYESIAN FUZZY CLUSTERING AND OPTIMIZATION BASED SVNN”, Evolutionary Intelligence, Springer, April 2020.
- Siva Rama Krishna T. and A. S. N. Chakravarthy, “MULTI-LEVEL AND MUTUAL LOG INTEGRITY PRESERVATION APPROACH FOR CLOUD FORENSICS USING PUBLIC KEY INFRASTRUCTURE”, International Journal of Scientific Research in Network Security and Communication, ISSN: 2321-3256, Volume - 9, Issue - 1, pp. 8 – 16, February 2021.
- Sophia A., Siva Rama Krishna T., D. D. V. Sivaram Rolangi and G. Jaya Suma, “A DEEP LEARNING TECHNIQUE FOR OPTICAL WORD RECOGNITION FOR INDIC SCRIPT”, International Journal of Scientific Research in Network Security and Communication, ISSN: 2321-3256, Volume - 9, Issue - 1, pp. 8 – 16, February 2021.



## Papers Presented in Conferences

- Siva Rama Krishna T. and V. Vijay Kumar, "DOUBLE HUMMER FPU IN BLUE GENE", Proceedings of the International Conference on Systemics, Cybernetics and Informatics – 2007, Hyderabad, IN: Pentagram Research Centre Ltd.
- Siva Rama Krishna T and Rajeev N., "MYthiNET", Proceedings of the International Conference on Systemics, Cybernetics and Informatics – 2010, Hyderabad, IN: Pentagram Research Centre Ltd., pp. 634-636.
- Siva Rama Krishna T., "A CLOUD COMPUTING BASED SOLUTION FOR EFFECTIVE E-LEARNING", National Conference on Information and Communication Technologies – 2011, 13 May 2011, Bangalore, IN.
- Siva Rama Krishna T., A. S. N. Chakravarthy and Naveen Kumar G., "A MULTI-CLOUD BASED APPROACH TO ENHANCE DATA SECURITY AND AVAILABILITY IN CLOUD STORAGE", Proceedings of the International Conference on Recent Trends in Communication and Computer Networks 2013 (ComNet-2013), Hyderabad, IN: **Elsevier**, pp. 58-63.
- Siva Rama Krishna T. and A. S. N. Chakravarthy, "CLOUD FORENSICS: THE NEED AND CHALLENGES", Proceedings of the 3rd World Conference on Applied Sciences, Engineering and Technology [WCSET-2014], 27-29 September 2014, Kathmandu, NP: BRCorp, pp. 551-555.
- Soma Sekhar T. and Siva Rama Krishna T., "X.509 ATTRIBUTE CERTIFICATE IMPLEMENTATION FOR CLOUD ENVIRONMENTS", Proceedings of the 3rd World Conference on Applied Sciences, Engineering and Technology [WCSET-2014], 27-29 September 2014, Kathmandu, NP: BRCorp, pp. 556-560.
- Siva Rama Krishna T, K. S. N. Murthy and Dr. A. S. N. Chakravarthy, "A REVIEW OF BLOCKCHAIN TECHNOLOGY AND ITS APPLICATION IN INTERNET OF THINGS", International Conference on Management, Sciences, Engineering and Applications (ICMSEA - 2018), 20, 21 & 22 Dec 2018, Visakhapatnam, IN.
- Siva Rama Krishna T., "FUZZY CLUSTERING BASED INTRUSION PREVENTION SYSTEM FOR CLOUD SECURITY", 3<sup>rd</sup> International Conference on Smart Technologies in Data Science and Communication (Smart DSC 2019) organized by Springer and Vignan Institute of Information Technology, 13 & 14 Dec 2019, Visakhapatnam, AP, IN
- Siva Rama Krishna T. and Madhu Raghuvver, "BLOCKCHAIN BASED PEER TO PEER LENDING SYSTEM", National Conference on Edge Computing, Process Automation thru Robotics, Industry 4.0 & Cognitive Technology (EPIC 2020) organized by Computer Society of India, 20 & 21 Feb 2020, Visakhapatnam, AP, IN
- Siva Rama Krishna T. and P. S. S. Geethika, "CLOUD SECURITY ARCHITECTURE USING TIMING ENABLED PROXY RE-ENCRYPTION FOR HEALTH CARE SECTOR", National Conference on Edge Computing, Process Automation thru Robotics, Industry 4.0 & Cognitive Technology (EPIC 2020) organized by Computer Society of India, 20 & 21 Feb 2020, Visakhapatnam, AP, IN
- Siva Rama Krishna T. and Bhavana Ryali, "SECURE CLUSTERED COMMUNICATION IN WSN TO EXTEND NETWORK LIFETIME", National



## Fellowships:

- Fellow of India School on Internet Governance

## Certifications:

- AF Certified Ethical Hacker [AFCEH] - version 4.0.
- CloudU certification (by Rackspace Cloud University)
- Blockchain Essentials (by IBM)
- Corda Certified Developer (by R3)
- Automation Anywhere Certified Advanced RPA Professional
- IBM Blockchain Foundation Developer
- Amazon Web Services Certified Cloud Practitioner
- Adobe Creative Educator (L1)
- Diploma in Internet Governance (vSIG)
- PaloAlto Certified Cybersecurity Entry-level Technician (PCET)

Conference on Edge Computing, Process Automation thru Robotics, Industry 4.0 & Cognitive Technology (EPIC 2020) organized by Computer Society of India, 20 & 21 Feb 2020, Visakhapatnam, AP, IN

- Siva Rama Krishna T. "MALWARE DETECTION CLASSIFICATION USING RECURRENT NEURAL NETWORK", IEEE 2nd International Conference on Technological Advancements in Computational Sciences (ICTACS) organized by Amity University, 10 to 12 Oct 2022, Tashkent, UZ

## Patents

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- **"I-CITY: INTELLIGENT CITY"**, The Patent Office Journal No. 05/2020, published 31/01/2020, 6051.
- **"A SYSTEM FOR FILTRATION OF MESSAGES IN A NETWORK USING STATISTICAL PROCESSES AND METHOD THEREOF"**, The Patent Office Journal No. 32/2021, published 06/08/2021, 34579.
- **"A SELF-ADJUSTING, DYNAMIC SYSTEM WITH REAL-TIME INTELLIGENCE, MACHINE LEARNING, AND AUTOMATION TO ANALYSE CYBER RISKS IN HARSH SITUATIONS"**, The Patent Office, Republic of South Africa, Patent No. 2023/01262, Granted 31/05/2023.
- **"ADVERSARIAL DEEP LEARNING-BASED CYBERSECURITY SYSTEM FOR NETWORK DEFENSE"**, The Patent Office Journal No. 24/2023, published 16/06/2023, 42754.

## Books

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- **"ESSENTIALS OF CYBERSECURITY"**, First Edition, AGPH Books, 2022, ISBN: 978-93-94339-16-3.
- **"CHATGPT: COMPREHENSIVE STUDY ON GENERATIVE AI TOOL"**, Infinite Research, (In Press), ISBN: 978-81-965046-2-5.
- **"LOG ANALYSIS METHODS FOR CLOUD FORENSICS"**, Lambert Academic Publishing, UK, (In Press).

## Skill set

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### Programming

C, C++, Java, Ruby, Python, Visual Basic, ASP, Tcl

### Web Development

HTML, Visual Web Developer, Dream Weaver 8, Rails

### Database Management Systems

Oracle, MS-Access, MS SQL Server

### IoT

Raspberry Pi, Arduino, Photon, Wylidrin, Thingspeak

### Cyber Security

bWapp, Burp Suite, OSSEC, Metasploit

### Blockchain

Hyperledger, Corda

## Teaching Interests:

- Programming
- Data Structures
- Theoretical Computer Science
- Computer Networks
- Cryptography

## Research Interests:

- Cloud Computing
- Cloud Security
- Digital Forensics
- Cyber Crimes
- Machine Learning
- Blockchain

## Multimedia Development

Flash, Action Script

## Operating Systems

Windows XP/7, Fedora, Solaris, Swetcha, gOS, Mint, Ubuntu, BOSS, Open SUSE

## Teaching Aids

Story Telling Alice, Scratch, BYOB, G-Suite for Education

## Others

NS2 (Network Simulator)

Moodle (Learning Management System)

OpenStack (Cloud Platform)

## Professional Memberships

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- Cryptology Research Society of India [CRSI] (Life Member)
- Indian Society for Technical Education [ISTE] (Life Member)
- Indian Science Congress Association [ISCA] (Life Member)
- Computer Society of India [CSI] (Life Member)
- Institute of Engineers (India) [IEI] (Member)
- Indian Youth Science Congress Association [IYSCA] (former State Representative – Andhra Pradesh)
- Computer Science Teachers Association [CSTA] (An ACM body)
- International Association of Computer Science and Information Technology [IACSIT]
- International Association of Engineers [IAENG]
- The Institute for Computer Sciences, Social Informatics and Telecom. Engineering [ICST]
- Universal Association of Computer and Electronics Engineers [UACEE] (Associate Member)
- Academy and Industry Research Collaboration Centre [AIRCC]
- International Association of Cyber Crime Prevention [IACCP]
- Internet Society [ISOC]
- ICANN Non – Commercial Users Constituency [NCUC] (Elected Member)
- Institute of Doctors, Engineers and Scientists [IDES] (Invited Member)
- The Society of Digital Information and Wireless Communications [SDIWC]
- Institute For Engineering Research and Publication [IFERP] (Life Member)
- Cloud Computing Innovation Council of India [CCICI]
- IEEE Cloud Computing
- IEEE Internet of Things
- IEEE Cyber Security
- IEEE Rebooting Computing
- IEEE Internet Technology Policy Community
- Information Technology Professionals Association
- ISOC Blockchain Special Interest Group
- ISOC Cyber Security Special Interest Group

## Professional Development Activities

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Training / Workshop / Conference attended	Organized by	Duration
→ <b>Till 2016</b>		
Solaris 10	NIIT and SUN Microsystems	2 Days
Ethical Hacking	Ankit Fadia & Rcom	40 Days
Dream Spark Yatra on MS Gaming Studio	Microsoft	1 Day
Tech. Ed. Live on .NET Technologies	Microsoft	3 Days

## Address for communication:

### Office:

Siva Rama Krishna T.  
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JNTUK UCEN  
Near Palnadu Bus Stand  
Narasaraopeta,  
A.P., India- 522601.

### Mobile:

+91-9966005482

### e-mail:

#### Official

srktummalapalli@gmail.com

#### Personal

t\_srkrishna@yahoo.com

Mobile Computing and Information Security	Tata Consultancy Services	2 Days
e-Learning and Effective Teaching	UGC-ASC, JNTUH	2 Days
Computer Networking & Security	VIEW	2 Days
Proven Strategies for Effective Teaching	IUCEE-FLI	3 Days
Analysis of Networks and Protocols through Simulation for Features Enhancement	JITS	2 Days
Cloud Computing	IUCEE-FLI	5 Days
Outcome Based Engineering Education	JNTUK UCEV	1 Day
Soft Skills for Effective Teaching	JNTUK UCEV	2 Days
Recent Research Trends in Computer Science and Information Technology	JNTUK UCEV	2 Days
Big Data Analytics & Cloud Computing	JNTUK UCEK	1 Day
Faculty Orientation Programme	IUCEE & JNTUK	2 Days
NBA – Outcome Based Accreditation Phase - I	NBA & JNTUK	1 Day
NBA – Outcome Based Accreditation Phase - II	NBA & JNTUK	3 Days
Research Methodologies	JNTUK R&D	2 weeks
Intellectual Property Rights and Patents	JNTUK R&D	2 weeks
Computer Forensics	CERT-In	2 Days
Research Challenges and Issues in Big Data and Cloud Computing	JNTUK UCEV	5 Days
DST sponsored training on Creativity and Innovation Management in Research	Engineering Staff College of India	5 Days
Orientation Course	UGC-HRDC, Andhra University	4 weeks
<b>→ 2016-17</b>		
Classroom Communication	JNTUK UCEV	1 Day
Summer School on Strategies for Research Oriented Teaching	UGC-HRDC JNTUH	3 weeks
20 <sup>th</sup> National Conference on e-Governance	DEIT, Govt. of India	2 Days
National Instructional Workshop on Cryptology (NIWC) 2017	CRSI & Dept. of CSE, AUCE	3 Days
QIP Short Term Course on Tools for Cyber Security : A Laboratory Course	IITB	1 week
<b>→ 2017-18</b>		
Empowering Teaching Excellence Through E-Learning Platforms	JNTUK	1 Day
Transforming Education Conference for Humanity (TECH) 2017	MGIEP UNESCO	3 Days
Workshop on Learning Management and Ed-Tech Tools	JNTUK	2 Days
National Workshop on Cryptology and Cyber Security	CRSI & GVPCEW	3 Days
<b>→ 2018-19</b>		
International Blockchain Congress (IBC) - 2018	NitiAyog, Govt.s of Telangana & Goa	2 Days
FDP on Blockchain: The Modern Internet	JNTUK	1 Day
Third India School on Internet Governance	ISOC India Chapters	3 Days
National Workshop on Research Methods and Data Analysis using R	BITS Vizag	2 Days

→ **2019-20**

Workshop on EdTech Tools in Teaching and Learning	JNTUK UCEV	1 Day
AICTE ATAL One Week FDP on Blockchain	JNTUK	5 Days
EPIC 2020 (National Conference)	CSI & RINL	2 Days
AICTE One Week FDP on Machine Learning with R Programming	MVGRCE	5 Days
FDP on AI and ML	CMR Tech Campus & Blackbuck	5 Days
FDP on Cyber Security and Digital Forensics	ISTS	3 Days
FDP on Artificial Intelligence	Sir CRREC	5 Days
FDP on Artificial Intelligence	VIEW	5 Days
Workshop on Blockchain Technology	JNTUK UCEV	5 Days
Cryptology and Current Trends in Security for Pervasive Applications	AKNU	1 Day
Virtual Interactive Classroom for Teachers and the Challenging Technologies in Post Covid-19 Era	IFERP	1 Day
FDP on Python Web Application Framework Using Flask and Django	PEC and Spoken Tutorial, IITB	1 Week
Short Time Training Program on Matlab for All	SMVIT	1 Week
Research Article Writing and Publishing	IFERP	1 Day
FDP on Cyber Security	JNTUK UCEV and Supraja Technologies	1 Week
FDP on Information Security & Cryptography	LIET	3 Days
FDP on Blockchain & Cybersecurity	AUCE & ISEA	1 Week
Global Webinar Series on Cyber Security	JNTUK UCEV, ISOCRDSIG, ISEA, CSI, NITPAA & CPF	1 Week

→ **2020-21**

Evolving and Aligning Teaching Learning Process for Implementing Engineering Curriculum	NITTTTR	1 Day
Workshop on Blended E-Learning	JNTUK UCEV	1 Week
CCNA Instructor Training	CISCO Networking Academy & Eduskills	3 Weeks
Cyber Physical Systems	JNTUK UCEV	1 Day
FDP on Latex	BITS and Spoken Tutorial, IITB	1 Week
FDP on Python 3.4.3	BITS and Spoken Tutorial, IITB	1 Week
FDP on Machine Learning Technologies for Social Media Analytics	ISEA and IITG	5 Days
AICTE ATAL FDP on Cloud Technology	VCE	1 Week
FDP on Advanced Teaching Tools, Techniques and Methodologies for Outcome based Engineering Education	JNTUK	3 Days
Workshop on Cryptology	MAKAUT and IUST	5 Days
FDP on Data Science & Its Applications in STEM	AUCE, JNTUK & APSCHE	15 Days
Red Hat System Administration I (RH124) & II (RH134)	Redhat Academy & Eduskills	1 Week

International Workshop on Applications of Python Programming in NLP and Data Science	JNTUK UCEV	1 Day
AWS Academy Cloud Foundations	AWS Academy & Eduskills	1 Week
Online Refresher Course on Emerging Issues in ICT	UGC-HRDC DrBAMU, Aurangabad	2 Weeks
AICTE STTP on Cyber Security and Blockchain Technology	SCE	1 Week
AICTE-ISTE RC on Role of ICT in Teaching-Learning Process	SCE	1 Week
→ <b>2021-22</b>		
Machine learning to Deep Learning: A journey for remote sensing data classification	IIRS, ISRO	1 Week
AICTE STTP on Augmented Reality and Virtual Reality	MVGRCE	1 Week
AICTE STTP on Machine Learning Trends and Applications	JNTUK UCEK	1 Week
International Workshop on Java and Android	JNTUK UCEV & Brainovision	1 Week

## Online Courses

### Offered/Facilitated

- Instructor for 15 courses (including CCNA v7) on JNTUK-UCEV CISCO Networking Academy
- AWS accredited instructor at AWS Academy
- Administrator for 'JNTUK – University College of Engineering Vizianagaram on Coursera' program

### Learned

<u>Course Title</u>	<u>Offered by</u>
Introduction to Computer Science and Programming (through Python)	Massachusetts Institute of Technology (edX)
Cyber Crime Protection Program	Asian School of Cyber Laws
Data Privacy Law (India)	Asian School of Cyber Laws
Facebook Law in India	Asian School of Cyber Laws
CloudU Certification Programme	Cloud University - RackSpace
Blockchain Essentials	IBM
Instructor Professional Development Week	CISCO Networking Academy
Introduction to Cyber Security	CISCO Networking Academy
Cyber Security Essentials	CISCO Networking Academy
Coursera Administrator Training	Coursera
Project: Support Vector Machines with scikitlearn	Rhyme (Coursera)
Hello Bot: Introduction To RPA	Automation Anywhere University
Build the Digital Workforce: Create Bots Using Automation Anywhere V11.0	Automation Anywhere University
Lead the Digital Workforce: Monitor, Measure & Manage Bot Performance	Automation Anywhere University



Matlab on Ramp	Matlab Academy
Machine Learning on Ramp	Matlab Academy
Deep Learning on Ramp	Matlab Academy
Cloud Riders 2020	EduSkills Foundation
Diploma in Internet Governance	Virtual School of Internet Governance

### Reviewer/TPC/Other Affiliations

- Technical Programme Committee member and reviewer at Third International Symposium on Security in Computing and Communications (SSCC-2015), Kerala, India, Aug-2015.
- Reviewer at 2<sup>nd</sup> International Conference on Science and Social Research: Social and Behavioural Science (CSSR-2015), Malaysia, Oct-2015.
- Organizing Committee member at International Conference on Internet of Things and Applications for Smart City (ICIOTAS-16), Annamacharya Institute of Technology & Sciences, Tirupati, India, Mar-2016.
- Technical Programme Committee member and reviewer at 8<sup>th</sup> International Conference on Computational Intelligence and Computer Networks (CICN-2016), Dehradun, India, Dec-2016.
- Technical Programme Committee member for 2017 World Symposium on Computer Applications & Research (WSCAR 2017), Istanbul, Turkey, Apr-2017.
- Reviewer for 2<sup>nd</sup> International Conference on Applied Soft Computing and Communication Networks (ACN'17), Manipal, India, Sep-2017.
- Reviewer for 3<sup>rd</sup> International Symposium on Intelligent Systems Technologies and Applications (ISTA'17), Manipal, India, Sep-2017.
- Technical Programme Committee member and reviewer at 1<sup>st</sup> International Conference on Computer Applications & Information Security (ICCAIS, 2018), Riyadh, Soudi Arabia, Apr-2018.
- Reviewer for Advances in Science, Technology and Engineering Systems Journal [ASTESJ], Turkey.
- Program Committee member at 21<sup>st</sup> Saudi Computer Society National Computer Conference (SCS-NCC'2018), Riyadh, Soudi Arabia, Apr-2018.
- Technical Programme Committee member for 2018 International Conference on Computer Intelligent Systems & Networking (ICCISN'2018), Dubai, UAE, Apr-2018.
- Technical Programme Committee member and reviewer at 6<sup>th</sup> International Symposium on Security in Computing and Communications (SSCC'18), Bangalore, India, Sep-2018.
- Editorial Board member for International Journal of Engineering Research in Computer Science and Engineering (IJERCSE).
- Technical Programme Committee member for 11th International Conference on Computational Intelligence and Communication Networks (CICN 2017), Honolulu Hawaii, USA, Jan-2019.
- Technical Programme Committee member for International Conference on Smart Education and Applied Social Sciences (SEA 2020), Wolfson College, Oxford University, UK, 25-26 March 2020.
- Technical Programme Committee member for 7<sup>th</sup> International Symposium on Security in Computing and Communications (SSCC'19), Trivendrum, India, Dec-2019.

- Technical Programme Committee member for International Conference on Education & E-Learning Innovations 2020 (ICEELI'2020), Sousse, Tunisia, Jan-2020.
- Reviewer for 1<sup>st</sup> Conference on Internet of Things and Embedded Intelligence (CITEI 2020), Yogyakarta, Indonesia, July-2020.
- Technical Programme Committee member for International Conference on Clean Energy, Systems and Smart Applications 2020 (CESA'20), Cambridge, UK, July 2020.
- Reviewer for International Journal of Computing and Digital Systems (IJCDS), a Scopus indexed journal.

### Invited Talks

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- "Programming with UNIX Processes and Signals" at Vishnu Institute of Technology, Bhimavaram, AP, IN.
- "Behaving Securely in the Cyber World" at Pragati Engineering College, Surampalem, AP, IN.
- "Basics of IoT" and "Working with Raspberry Pi" at Skill Development Programme on Internet of Things organized by Sree Vidyanikethan Engineering College, Tirupati, AP, IN on 16<sup>th</sup> Sep 2016.
- "Cyber Ethics" and "Programming with Scratch" at Summer Computing Camp for Govt. School Children organized by Dept. of CSE, JNTUK - University College of Engineering Vizianagaram, AP, IN in May 2017.
- "Python Language Constructs" and "Standard Library & Graphics in Python" at Instructional Workshop on Python Programming organized by Dept. of CSE, JNTUK - University College of Engineering Vizianagaram, AP, IN on 01<sup>st</sup> & 02<sup>nd</sup> July 2017.
- "Programming Raspberry Pi with Python" at 3 Day Workshop on Internet of Things using Raspberry Pi 3 organized by Tandra Paparaya Institute of Science & Technology, Bobbili, AP, IN on 01<sup>st</sup> Aug 2017.
- "Introduction to Python", "Modular Programming in Python", "Object Oriented Programming in Python" and "Graphics and GUI Development" at Two Day Workshop on Python Programming organized by JNTUK - University College of Engineering Narsaraopeta, AP, IN on 18<sup>th</sup> & 19<sup>th</sup> Aug 2017.
- "Object Oriented Programming in Python", "Python Standard Library", and "Graphics and GUI development" at Two Day Workshop on Python Programming organized by Newton Institute of Engineering, Macherla, AP, IN on 21<sup>st</sup> & 22<sup>nd</sup> Aug 2017.
- "Introduction to IoT Eco System and its components", "Programming Raspberry Pi (with Python)", and "IoT Security - Challenges and Research Directions" at AICTE Sponsored Two-Week National Level FDP on Challenges and Current Solutions of Cyber Physical Systems organized by Sree Vidyanikethan Engineering College, Tirupati, AP, IN on 15<sup>th</sup> Dec 2017.
- "Device-to-Device Communications in IoT" at Three Day Residential Training Program on Internet of Things (IoT) organized by Human Resource Development Institute, Govt. of AP, Visakhapatnam, AP, IN on 05<sup>th</sup> Jan 2018.
- "Smart and Safe Behavior in Cyber World" at Three Day Residential Training Program on Cyber Security, Open Source, Networks, R & Latex organized by Human Resource Development Institute, Govt. of AP, Visakhapatnam, AP, IN on 30<sup>th</sup> Jan 2018.
- "E-Commerce: Trends in India and Across the Globe" and "E-Commerce and Taxation (Pre and Post GST)" at 6 Week ITP for Asst. Commercial Tax Officers organized by Human Resource Development Institute, Govt. of AP, Visakhapatnam, AP, IN on 20<sup>th</sup> Jul 2018
- "Graphics with turtle", "GUI Designing with Tkinter", "Python Image Library" and "Panda 3D SDK" at Two Day Workshop on Advanced Python Toolkits

organized by Visakha Institute of Engineering and Technology, Visakhapatnam, AP, IN on 19<sup>th</sup> & 20<sup>th</sup> Sep 2018.

- “Essentials of Network Security” and “Advancements in Anti-Virus Systems” at Workshop on Cryptography and Network Security organized by Avanathi’s St. Theresa Institute of Engineering and Technology, Garividi, AP, IN on 17<sup>th</sup> Sep 2019.
- “Python for Data Science: NumPy, Pandas, SciPy & Scikit-Learn” at One Day Workshop on Python Programming and Applications organized by Sai Ganapathi Engineering College, Anandapuram, AP, IN on 24<sup>th</sup> Sep 2019.
- **Keynote address** on “Data Science made easy with Auto ML” at 3<sup>rd</sup> International Conference on Smart Technologies in Data Science and Communication (Smart DSC 2019) organized by Springer and Vignan Institute of Information Technology, Visakhapatnam, AP, IN on 14<sup>th</sup> Dec 2019.
- “Introduction to Internet of Things with Raspberry Pi” and “IoT, Analytics and beyond” at Two Day Faculty Development Program on Internet of Things organized by Chaitanya Engineering College, Kommadi, AP, IN on 20<sup>th</sup> Dec, 2019.
- “MAC Technologies” and “Advancements in Routing Technologies” at Workshop on Advances in Internet Protocols organized by Avanathi’s St. Theresa Institute of Engineering and Technology, Garividi, AP, IN on 7<sup>th</sup> Mar, 2020.
- One Day National Level Webinar on "Creating and Testing Blockchains with Hyper Ledger Composer" organized by Pragati Engineering College & Computer Society of India (Region-V) on 19<sup>th</sup> Jun 2020.
- Webinar on “Auto ML” organized by IEEE Student Branch, JNTUK – University College of Engineering Narasaraopeta on 27<sup>th</sup> Jun 2021.
- Invited Talk on “Blockchain Technology: Applications & Career Opportunities” organized by Dept. of CSE, JNTUK – University College of Engineering Narasaraopeta on 04<sup>th</sup> May 2022.
- “Safeguarding your Digital life” at Training on IT Security for End Point Devices organized by National Institute of Rural Development & Panchayat Raj, Hyderabad on 28<sup>th</sup> Jun 2023.
- “The Impact of AI on the Future of Education” at Two Week Refresher Course in Information Technology (Interdisciplinary) organized by UGC-HRDC, University of Kashmir, Srinagar on 21<sup>th</sup> Jul 2023.

## Events Organized

- Coordinator for Data Connect - 2010, a National Level Student Technical Symposium organized by Pragati Engineering College.
- Organizing Committee Member for Two – Day National Workshop on Recent Research Trends in Computer Science and Information Technology-2013 organized by the Departments of Computer Science & Engineering and Information Technology, JNTUK-UCEV.
- Advisory Committee Member for CREAZIONE-2K14, National Level Technical Symposium organized by Pragati Engineering College organized by the Departments of Computer Science & Engineering and Information Technology, JNTUK-UCEV.
- Organizing Committee Member and Session Coordinator for National Conference on Emerging Technologies in Computer Science - 2014 organized by the Department of Computer Science & Engineering , JNTUK-UCEV.
- Organizing Committee Member for Two-Day National Workshop on Pattern Recognition and its Applications-2014 organized by the Department of Information Technology , JNTUK-UCEV.\
- Coordinator for PHP and MYSQL Workshop organized by CSI Student

Branch, JNTUK UCEV.

- Organizing Committee Member for State Level Student Technical Paper Contest organized by CSI Student Branch, JNTUK UCEV.
- Organizing Committee Member for One Week Workshop on Research Challenges and Issues in Big Data and Cloud Computing organized by the Department of Computer Science & Engineering , JNTUK-UCEV.
- Faculty Coordinator for NRC India Zonal Level Robotics Championship organized by ARK Technosolutions & Robokart.com in association with AMALGAM, IIT Madras.
- Organizing Committee Member for International Conference on Internet of Things and Applications for Smart City organized by AITS and IFERP.
- Convener for National Workshop on Fog Computing and Internet of Things organized by the Department of Computer Science & Engineering , JNTUK-UCEV and supported by CSI, Govt. of AP, Microsoft and Particle.
- Faculty Coordinator for Virtual Reality Workshop organized by Robokart.com.
- Organizing Committee Member for Two Day Instructional Workshop on Internet of Things organized by the Department of Computer Science & Engineering, JNTUK-UCEV.
- Faculty Coordinator for Cresense-2K17, Two day National Student Symposium organized by Department of Computer Science and Engineering, JNTUK-UCEV.
- Organizing Committee Member for Cresense-2K18, Two day National Level Technical Symposium organized by Department of Computer Science and Engineering, JNTUK-UCEV.
- Organizing Committee Member for One Day Workshop on Ed-Tech Tools in Teaching and Learning organized by Department of Computer Science and Engineering, JNTUK-UCEV.
- Coordinator for Two Day Workshop on Mobile App Development organized by Department of Computer Science and Engineering, JNTUK-UCEV and Swecha Andhra Pradesh.
- Faculty Coordinator for Workshop on Blockchain organizing by Department of Computer Science and Engineering, JNTUK-UCEV and Anvira Edustation, Mumbai.
- Faculty Coordinator for Cresense-2020, Two day National Level Technical Symposium organized by Department of Computer Science and Engineering, JNTUK-UCEV.
- Coordinator for Workshop on Machine Learning using Python organizing by Department of Computer Science and Engineering, JNTUK-UCEV and Innovians Technologies.
- Coordinator for One Week Faculty Development Program on Cyber Security organizing by Department of Computer Science and Engineering, in association with UCEV CSI Student Brach (Region-V) and Supraja Technologies.
- Coordinator for Global Webinar Series on Cyber Security organizing by Department of Computer Science and Engineering, in association with Internet Society Rural Development Special Interest Group, Information Security Awareness and Education (an MEITY, Govt. of India initiative), Computer Society of India (Region-V), National IT Professionals Association of Afghanistan (NITPAA) and Cyber Peace Foundation.
- Coordinator for One Week Online Workshop on Blended E-Learning organizing by Department of Computer Science and Engineering, in association with Computer Society of India (Region-V).
- Coordinator for Webinar on Cyber Physical Systems organizing by Department of Computer Science and Engineering, in association with Computer Society of India (UCEV Student Branch).
- Coordinator for International Workshop on Applications of Python

Programming in NLP and Data Science organizing by Department of Computer Science and Engineering, in association with Computer Society of India (UCEV Student Branch).

- Coordinator for One Week International Workshop on Java and Android organizing by Department of Computer Science and Engineering, in association with Brainovision Solutions India Pvt. Ltd.
- Faculty Coordinator for Cresense-2K22, Two day National Student Symposium organized by Department of Computer Science and Engineering, JNTUGV-CEV.
- Chairman for SPEC SER-2k23, One day National Student Symposium organized by Department of Computer Science and Engineering, JNTUK-UCEN.

### Achievements

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- Qualified in GATE – 2007, 2008 and 2012.
- Won **BEST PAPER AWARD** at International Conference on Systemics, Cybernetics and Informatics – 2010.
- Won into **Top Ten** positions in the prestigious **IT Olympiad 2016** under Professionals Category.
- **Convener** for National Workshop on Fog Computing and Internet of Things (NWFCIoT) organized by JNTUK in association with Govt. of AP, Microsoft and Particle (a USA based IoT manufacturer).
- Conferred as BEST PARTICIPANT of QIP STC CyberSec'17 at IITB, Mumbai.
- Selected for **Fellowship of 'Indian School of Internet Governance'** (inSIG 2018) supported by Internet Society and Govt. of India.
- Qualified in **UGC – National Eligibility Test (NET)** Dec-2018 as Assistant Professor with **99.82** percentile.
- Nominated to **iBHubs Super 30** by both UG and PG Alumni of JNTUK UCEV.
- Received **Innovative Professor of the Year** award from Home Minister of Telangana Sri Mahmood Ali at Ideal Teachers Awards Program 2019, Hyderabad.
- Received (online) **Global Teacher Role Model Award**, from MVLA Trust, Mumbai on the occasion of World Teachers Day Celebrations on 05-10-2020.
- Recognized as **Active Instructor** by CISCO Networking Academy.
- Received **Yuva Acharya Award**, from Bharath Education Excellence Awards on the occasion of Teachers Day Celebrations on 05-09-2021.

### Additional Information Available on Demand

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Credentials to support the claims made in this resume (e.g., Details of specific work experiences, certificates etc)

Sd/-

**(DR. SIVA RAMA KRISHNA T.)**