CURRICULAM VITAE

Dr. Santosh Kumar Sharma

S/o - Jamuna Sharma

Anand Nagar Colony,

Kandwa, Varanasi

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Career Objective: Seeking a challenging opportunity with an organization of reputation which recognizes true potential of my excellent technical and research skills.

Academic Profile:

S. No.	Qualification	University/Board	Year of Passing	Percentage
1	PhD (CSE)	Berhampur University, Odisha	2021	-
2	MBA-HR	JNTU-Kakinada, Andhra Pradesh	2014	72%
.3	M.TECH(CSE)	Berhampur University, Odisha	2010	74%
4	MCA	BPUT, Rourkela, Odisha	2008	7.89/10
5	BSC(Computer Science)	Andhra University	2005	63%
6	O-level Diploma	DOEACC, New Delhi	2002	62%

DOCTOR OF PHILOSOPHY

Research Domain: Cyber Security

Thesis Title: Recommending Multilayer Security Approach For Internet Of Things.

Work Experience: 15 Years

1. Working as **Sr. Assistant Professor** in Computer Science & Engineering at **United University,** Prayagraj (UP)

2. Worked as an **Associate Professor** & **Head of Department** of Computer Science & Engineering at Kashi Institute of Technology, Varanasi(UP)

3. Worked as Sr. Asst. Professor & **I/C HOD** of MCA Dept. since August 2008 to Jan-2021,**Vignan's** Institute of Information & Technology(Autonomous), Duvvada Visakhapatnam, (Andhra Pradesh)

Subjects Handled:

1. Computer Network
2. Computer Organization
3. DWDM (Weka)
4. OOAD Using Rational Rose
5. Software Engineering
6. Distributed Operating System
7. Database Management System
8. Mobile Computing (MTECH)
9. SQAT (MTECH)
10. Database Security (MTECH)
11. Cryptography & Network Security
12. Machine Learning
13. Internet of Things
14. Cyber Security

Other Responsibilities:

1. Resume Screening & Technical Interview

2. Training & Placement Coordinator

3. I/C HOD-MCA Dept.
4. IIT-Bombay, Eklavya Remote center Coordinator-1183, VSKP, Sponsored by MHRD, India.

Memberships of Professional Societies:

1. **Life membership in** International Association of Engineers(IAENG)

2. **Life membership in** International Computer Science and Engineering Society(ICSES-ID:36028)

3. **Life membership in** Internet Society(ID:2238140)

4. **Life membership in** The Society of Digital Information and Wireless Communication(ID-33365)

5. **Membership in** The Institute of Research Engineers and Doctors(ID-SNM20211014954)

Other Achievements:

1. Worked as reviewer for ICDECT-19, Springer International Conference- Hyderabad.

2. Worked as reviewer for ICSCSP-20, Springer International Conference- Hyderabad.

3. Worked as reviewer for ICISSC-21, Springer International Conference- Hyderabad.

4. **Editor** of Book-**"Futuristic Trend of IOT",** Iterative International Publishers **(IIP).**

Workshops:

1. Organized One Day National level workshop Techno Rays 2K12 as a Convener for MCA Dept., 5th Jan, 2012.

2. Organized Two Week ISTE Workshop for Civil & Mechanical dept. on Engineering Mechanics through A-view Technology conducted by IIT-Bombay, Sponsored by MHRD-INDIA, 26th Nov -06th Dec, 2013.

3. Organized Two Week ISTE Workshop for Civil & Mechanical Dept. on Fluid Mechanics through A-view Technology conducted by IIT-Kharagpur, Sponsored by MHRD-INDIA, 20th May-30th May, 2014.

4. Organized One Week ISTE Workshop for CSE/IT/MCA Dept. on Computer Programming through A-view Technology conducted by IIT-Bombay Sponsored by MHRD-INDIA, 16th June- 21st June, 2014.

5. Organized One Week ISTE Workshop for CSE/IT/MCA Dept. on Computer Networks through A-view Technology conducted by IIT-Bombay, Sponsored by MHRD-INDIA, 30th June-05th July, 2014.

6. Participated in Two-Day International Workshop on BIG DATA ANALYTICS, Conducted by Vignan's Institute of Information Technology, Visakhapatnam held on 13th and 14th July, 2016.

7. Participated in Two-Day International Workshop on Data Mining and Social Media, Conducted by Vignan's Institute of Information Technology-IEEE, Visakhapatnam held on 2nd and 3rd March, 2017.

Conferences:

1. Future Generation Information Technology 2015, November 25 - 28, 2015 at International Center, Jeju National University, Jeju Island, Korea.

2. CSI-Conference, 27-28 Dec, 2014, Berhampur, Orissa, Conducted by Computer Society of India (CSI), Chennai.

3. International conference on Smart Technologies in Data Science and Communication, Funded by AICTE & SERSC. 30th November - 2nd Dec- 2017, Organized by Vignan's Institute of information Technology (A), Visakhapatnam, India.

4. International conference on Recent Advances in Mathematical Sciences and Applications sponsored by IFNA & SERB, 19th- 22nd Dec-2017, Organized by Gaytri

Vidya Parishad college of Engineering (A) .Visakhapatnam, India.

5. Fifth International conference on Emerging Research in Computing, Information, communication and applications, ERCICA- July 27-28/2018, SPRINGER, Bangalore, India.

6. 4th International Conference on Cyber Security-ICCS, October 26-27, 2018, Elsevier SSRN, Jaipur, India.

7. International Conference on Data Sciences, Security and Applications (ICDSSA 2019) SPRINGER, on March 7th -8th 2019, New Delhi, India

8. International Conference on Data Engineering and Communication technology (ICDECT 2019) SPRINGER on March 15th -16th 2019, Hyderabad, India.

9. International Conference on Embedded Systems and artificial Intelligence (ESAI-19), SPRINGER, on May02-03, 2019, FEZ MOROCCO.

10. International Conference on Soft Computing and Signal Processing (ICSCSP-19), SPRINGER on June 21-22, 2019, Hyderabad, India.

Publications: Google Scholar

1. S.K.Sharma, "BRAM: A New Bidirectional Routing Abstraction Model for identifying Intruders over Multiple Sensing Networks". Published in Journal of Computing Technology, Volume 3, Issue-8 August 2014.

2. S.K.Sharma, "Authenticate certificate based cloud computing security architecture", National conference NCACTA, 27-28 Dec, 2014, Berhampur, Orissa; Conducted by Computer Society of India (CSI), Chennai.

3. S.K.Sharma, "Enhanced Cryptography Technique: By Integrating Color and Arm Strong Numbers for Data Transfer". Published in Journal of Computing Technology, Volume 4, Issue 8 August 2015.

4. S.K.Sharma, "A Novel Prototype for Route Navigation by Using GPS along with Google Maps. Published in Journal of Computing Technology, Volume 4, Issue 8 August 2015.

5. S.K.Sharma, "D.Bhattacharyya, M.R. Patra, A New Parallel Hybrid Model-Intrusion Prevention System. In IEEE2015, 8th International Conference on security technology; pp 17-24(2015), Korea. ACM-DL.

6. S.K.Sharma, "Security Analysis for Dynamic Web Events using Markov Logic Networks", IJSETR, Pages: 3472-3475, Vol.06, Issue.18 May-2017.

7. S.K.Sharma, "Web Crawler: A smart tool for web information gathered using breadth first search algorithm", IJCA, Pages: 2-13, Vol.07, Issue.04 June-2017.

8. S.K.Sharma, "ADSG Tool: Developing an automatic database scheme generation by integrating multiple databases' into a single roof", IJAST, Pages: 12-24, Vol.06, Issue.4 July-2017.

9. S.K.Sharma, "A new multipath dynamic routing approach for reducing the delay time in a wireless sensor networks", IJCA, Pages: 39-51, Vol.07, Issue.4, July-2017.

10. S.K.Sharma, "A novel light weighted secure scheme for identifying several attacks in a wireless sensor networks", IJETED, Pages:65-74 , Vol.07, Issue.4 July-2017.

11. S.K.Sharma, "Performance evaluation of an extended ontology model for web information gathering in a personalized manner", IJETED, Pages: 75-85, Vol.07, Issue.4 July-2017.

12. S.K.Sharma, "Performance evaluation of an anonymous data sharing with a forward data security", IJETED, Pages: 98-113, Vol.07, Issue.4 July-2017.

13. S.K.Sharma, "Design and analysis of a novel distributed de-duplication system with higher reliability", IJETED, Pages: 112-123, Vol.07, Issue.4 July-2017.

14. S.K.Sharma, "Performance evaluation of an intelligent file replication system to enhance the file query efficiency in a peer to peer file sharing system", IJETED, Pages: 123-134, Vol.07, Issue.4 July-2017.

Publications: Scopus, SCIE & SCI

1. S.K.Sharma, "A Survey on Layered Approach for Internet of Things Security," SERSC, ASTL, pp.26-33, Vol.147, SMART DSC-2017.

2. S.K.Sharma. "Performance optimization by using HSLD- A*searching Technique in Hybrid Intrusion Prevention System, SERSC, ASTL, pp.441-452, Vol.147, SMART DSC-2017.

3. S.K.Sharma, "Encrusted Security for Internet of Things Using MAC-OMURA," IJCA, Pages: Vol. 11, No. 2 (2018), pp.45-54, SERSC Australia. **(Scopus) 2019.**

4. S.K.Sharma, "Integrated Cryptography for Internet of Things using TBF approach," Springer-Book ISBN: 9789811359521, **(Scopus) 2019.**

5. S.K.Sharma, "Multilayer Authentication-crypto for IOT security using End to End Cryptography, Elsevier- SSRN, **(Scopus) 2019.**

6. S.K.Sharma, "Distributed Authentication security for IOT Using DASS and LOKI91, accepted in LNCS, springer, **(Scopus) 2019.**

7. S.K.Sharma, " Performance Analysis on IARP, IERP and ZRP in Hybrid Routing Protocols in MANETS Using Energy Efficient and Mobility Variation in Minimum Speed, AISC series of Springer **(Scopus) 2019.**

8. S.K.Sharma, "Managing IOT based Botnet Network using Kademlia cryptosystem," International Journal of TEST Engineering & Management, Pp;20-25,**(Scopus)2020**

9. S.K. Sharma, "A Review on Predicted Route Search on Traffic Topology," International Journal of Psychosocial Rehabilition, Pp; 1154-1166, 2020**(Scopus)**

10. Sk. Sharma, Bonomali Khuntia, "Integrated Security Mechanism For Smart

Applications using Feedback And Blowfish Cryptosystem", IJGDC, Pp. 2178-2192, Vol 13 No. 1 (2020) . (**Web of Science**)

11. S.K. Sharma, "Applying assertion Medical Diagnosis Forecasting with carrier testing using Multiple Machine Learning Algorithms", Turkish Journal of Computer and Mathematics Education Vol.12 No. 11 (2021). (**Scopus**)

12. S.K.Sharma, "Dichotomy and Well Conditioning of Two-Point Boundary Value Problems on Time Scale Dynamical Systems," International Journal of Knowledge-Based and Intelligent Engineering Systems. **(Scopus & SCI journal) 2019.**

13. S.K.Sharma, "Integrated Security for data transfer and access control using Authentication and Cryptography technique for Internet of things. International Journal of Knowledge-Based and Intelligent Engineering Systems**. (Scopus & SCI Journal) 2019.**

14. S.K.Sharma, "An adaptive Hello Interval for AODV through ANFIS to improve the Performance of MANETs," International Journal of Knowledge-Based and Intelligent Engineering Systems. **(Scopus & SCI journal) 2021.**

Personal Profile:

Name	: Santosh Kumar Sharma
Father's Name	: Jamuna Sharma
DOB	: 16th April 1983
Gender	: Male
Religion	: Hindu
Nationality	: Indian
Languages known	: English, Hindi, Telugu & Oriya
Marital Status	: Married

Declaration:

I hereby declare that the information furnished above is true to the best of my knowledge and I accept verification.

Place:

Date: **Dr. S.K. Sharma**