

## Dr.RAJESH SATURI

*M.TECH, MISTE,IAENG,PhD*

*S/o: PRAKASH*

*HNo: 2-2-1130/26/A/C/3*

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# Objective

* To strive for academic excellence and impart quality education with emphasis on Computer Science & Engineering.
* To inculcate the habit of executing effective implementation and rectification of Computer Engineering problems in the minds of all concerned, which they can apply in their professional life in future

**ACADEMIC EXPERIENCE: 14 years**

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| **PERIOD** | **POSITION HELD** | **ORGANISATION** | **YEARS** |
| 2019 to Till date | Assistant ProfessorCSE | Vignana Bharathi Institute of Technology and Science | 5 years |
| 2015-2018 | Associate Professor CSE | NALLA NARSIMHA REDDY GROUP OF INSTITUTIONS | 3 YEARS |
| 2010-2015 | Assistant Professor CSE***JNTU RATIFIED*** | NALLA NARSIMHA REDDY GROUP OF INSTITUTIONS | 5 YEARS |
| 2007-2008& 2009-2010 | LECTURER CSE | TUDI GROUP OF INSTITUTIONS | 2 YEARS |

During the above tenure, handled classes on Introduction to Data Science, High performance Computing,CN, OS,DBMS,DWDM, PPL,FLAT,CD,CG,C,SE,C,C++...

I have developed exceptional skills to encourage student participation in class through careful organization of teaching materials & engaging attitude. In my class, I believe all students should contribute to the learning process. I am challenged to be creative, nurturing & most of all patient

# ACADEMIC EXCELLENCE:

**Additional Responsibilities:**

1. NBA
2. NAAC
3. NIRF
4. Incharge HOD
5. EXAM BRANCH Co-coordinator.
6. Industrial visits
7. Class in charge.
8. Workshops in charge.
9. Project Co-coordinator for UG & PG
10. PG Coordinator

# RESEARCH EXPERIENCE & AREAS:

# AI, Machine Learning, Image processing

* Involved in guiding Mini/Major projects for the B.Tech final year & M.Tech II year students.

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| --- | --- | --- | --- |
| **S.NO** | **TYPE** | **YEAR** | **PRESENTED/PUBLISHED** |
| 1 | Internationalconferences (IEEE,SPRINGER ) | 2013,2015,2020,21,22,23 | 13 |
| 2 | International journals | 2012,2014,2015,2019,20,21,22,23 | 20 |
| 3 | National Journals | 2012 | 3 |
| **TOTAL Journal & Conferences** | **36** |
| **Books Published** | **06** |
| **Patents** | **04** |
|  |  |
| **Sl. No** | **Name of the Conference Proceedings** | **Title of the Article** | **Vol. No/****Issue No./ Page No.** | **Year of Public ation** | **ISBN NO.** |
|  |  ICIPCN-2023 | Histopathogy Breast Cancer Detection and classification | Springer, Bangkok,Thailand | 2023 | -- |
| 1 |  Springer Nature Singapore Ltd | SEGMENTATION OF BRAIN TUMOR IMAGES USING MORPHOLOGICAL RECONSTRUCTION | ICTIS 2023, Volume 2 | 2023 | Published |
| 2 | Proceedings of the Fifth International Conference on Inventive Computation Technologies (ICICT-2020) | Implement an Efficient Segmentation Method toOvercome the Issues of Overlapping by Segmenting the Histopathological Images of Cancer | 978-1-7281-4685-0/20IEEE | 2020 IEEE | ISBN:978-1-7281-4684-3 |
| 3 | Smart Trends in Computing and CommunicationsLecture Notes in Networks and Systems book series (LNNS,volume 286) | A Novel Variant Optimized Search Algorithm for Nuclei Cell Detection in Histopathogy Breast Cancer Images | vol 286. Springer, Singapore | 26 October 2021 | 978-981-16-4016-2 |

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| --- | --- | --- | --- | --- | --- |
| **Sl. No** | **Name of the** **Journal** | **Title of the Article** | **Vol. No /****Issue No. / Page No.** | **Year of Public ation** | **ISSN NO.** |
| 1 |  Eur. Chem. Bull.  | A Breast Cancer Diagnosis Method Using VIM Feature Selection and Hierarchical Clustering Random Forest Algorithm | 12(Special Issue 1), 1913-1922 | 2023, | 2063-5346 |
| 2 | Eur. Chem. Bull. | A FRAMEWORK TO DETECT GENETIC DISEASE USING PUPILLOMETRY |  12(Special Issue 6), | 2023 | 2063-5346 |
| 3 | Eur. Chem. Bull. | PREDICTION OF LIVER DISEASE USING MACHINE LEARNING |  12(Special Issue 6), | 2023 | 2063-5346 |
| 4 | MATERIAL SCIENCE AND TECHNOLOGY | HEART DISEASE PREDICTIONUSING HYBRID MODEL | Vol.22 No.03  | March - 2023 | 1005-0299 |
| 5 | MATERIAL SCIENCE AND TECHNOLOGY | An Automatic Diagnosis Of Plant Leaf Disease And Suggesting Remedy Using CNN | Vol.22 No.03 | March - 2023 | 1005-0299 |
| 6 | MATERIAL SCIENCE AND TECHNOLOGY | Campus Placement Prediction and Analysis Using Machine Learning Techniques | Vol.22 No.04  | April - 2023 | 1005-0299 |
| 7 | MATERIAL SCIENCE AND TECHNOLOGY | DIAGNOSIS OF POLYCYSTIC OVARY SYNDROME USING DEEP LEARNING | Vol.21 No.02  | APRIL-2022 | 1005-0299 |
| 8 | J. Inst. Eng. India Ser. BThe Institution of Engineers (India) 2022Springer | Histopathology Breast Cancer Detection and Classification usingOptimized Superpixel Clustering Algorithm and Support VectorMachine | https://doi.org/10.1007/s40031-022-00745-3 | May 22 | https://doi.org/10.1007/s40031-022-00745-3 |
| 9 | European Journal of Molecular & Clinical Medicine | A FRAME WORK TO DETECT BREASTCANCER USING KNN and SVM | Volume 08, Issue 03 | 2021 | ISSN 2515-8260 |
| 10 | International Journal of Intelligent Engineering and Systems,INASS | Multi-Objective Feature Selection Method by Using ACO with PSO Algorithmfor Breast Cancer Detection | Vol.14, No.5, | 2021 | DOI: 10.22266/ijies2021.1031.32 |
| 11 | International Journal of Innovative Technology and Exploring Engineering (IJITEE) | Extracting Subset of Relevant Features for Breast Cancer to Improve Accuracy of Classifier | Volume-8 Issue-11, | September 2019 | ISSN: 2278-3075, |
| 12 | International Journal of Recent Trends in Engineering & Research (IJRTER) | A BRIEF STUDY ON HISTOPATHOLOGICAL IMAGES | Volume 05, Issue 07; | July- 2019 | [ISSN: 2455-1457] |

***BOOKS PUBLISHED:***

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl. No** | **Name of the Faculty Author** | **No of Authors** | **Main Author/****other** | **Title of the Book**  | **Name of the Publisher** | **ISBN Number** | **URL** |
| 1 | Rajesh Saturi | 5 | Rajesh Saturi | Fundamentals of Machine Learning Concept | SK Research Group of companiesCommunicatedFeb 23 | 9789395341462 | https://www.flipkart.com/fundamentals-machine-learning-concepts/p/itmc5c34af864785 |
| 2 | Rajesh Saturi | 4 | Rajesh Saturi | THEORY OF COMPUTATION AND AUTOMATA Paperback | AmazonIndependently published (July 1, 2020) | **979-8663446822** | https://www.amazon.com/dp/B08CWM8415 |
| 3 | Rajesh Saturi | 4 | Dr Raju Dara | DIGITAL IMAGE PROCESSING Paperback | AmazonIndependently published (June 16, 2020) | 979-8654540935 | https://www.amazon.com/dp/B08BD9CV7C |
| 4 | Rajesh Saturi | 4 | Rajesh Saturi | Data Science, Analytics, and Predictive Mining Using Open Source Tools | AmazonIndependently published (July 14, 2020) | **979-8666275979** | https://www.amazon.com/dp/B08CWJ4TYD |
| 5 | Rajesh Saturi | 4 | Dr.Narayana | Cloud computing | RK publishers | **978-8119489008** | https://www.amazon.in/Computing-Hanumantha-Subhadra-Perumallu-Narayana/dp/8119489004/ref=sr\_1\_2?crid=NI531Y5UY7VR&keywords=rajesh+saturi&qid=1690734090&s=books&sprefix=rajesh+saturi%2Cstripbooks%2C249&sr=1-2 |
| 6 | Rajesh Saturi | 4 | Rajesh Saturi | Python  | RK publishers | **978-8119489107** | https://www.amazon.in/Narayana-Punnamchandar-Pulyala-Naramula-Venkatesh/dp/8119489101/ref=sr\_1\_1?crid=NI531Y5UY7VR&keywords=rajesh+saturi&qid=1690734090&s=books&sprefix=rajesh+saturi%2Cstripbooks%2C249&sr=1-1 |

***PATENTS :***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Name of the Faculty** | **Patent details** | **Area of the patents files/ obtained** | **Status (filed/published/ granted)** | **Filing agency** |
| **1** | **Rajesh Saturi** | The Design of a low-cost IOT system for Automated Attendee Registration based on Wireless Electronics Sensors | **IOT** | **Published**  | Indian Utility Patent Publication |
| **2** | **Rajesh Saturi** | CHEST WORN GARMENT TODETECT BREAST CANCER | **Design** | **Design Patent Grant**  | IPR |
| **3** | **Rajesh Saturi** | IoT-based Face Mask Detection and Body Temperature Measuring Device | **IoT/Filed** | **Design Patent Grant**  | IPR |

**Webinars Attended:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.NO** | **Name of the Webinar** | **Webinar Organized by (University Name/College Name)** | **Place** | **Date** |
| 1 | AI & ML in research Perspective | Dr.M.G.R University | Chennai | 14-3-2022 |
| 2 |  "NEP-2020 Implementation Plan: Multiple Entry and Exit System" | UGC-HRDC-JNTUH | JNTUH | 29 June 2022 |
| 3 | The Art of writing Research Papers | Chennai Institute of Technology | Anna university,chennai | 29-4-2020 |
| 4 | Block chain Technology | Chennai Institute of Technology | chennai | 20-5-2020 |
| 5 | Digital Learning | Chennai Institute of Technology | chennai | 9 & 16 -5-2020 |
| 6 | Artificial intelligence and model based design Y teaching with Matlab | Chennai Institute of Technology | chennai | 25 &26 -6-2020 |
| 7 | Deep learning in Tele communications | KIT | Coimbatore | 20th -5-2020 |
| 8 | Introduction to image quality measures | Chennai Institute of Technology | chennai | 13-5-2020 |
| 9 | INTRODUCTION TO MACHINELEARNING | ST. XAVIER’S COLLEGE, MAHARO, DUMKA | JHARKHAND | 23rd may 2020 |
| 10 | Biomedical Imaging | KMIT | Hyderabad | 16th & 17thJune 2020 |
| 11 | understanding Entrophy | VBIT | Hyderabad | 4th june 2020 |
| 12 | Skill enhacement facilty development program | Brain O vision | Hyderabad | 24 - 4 -2020 |
| 13 | cyber security | VBIT | Hyderabad | 14th may 2020 |
| **Coursera Certifications** |
| **S.NO** | **Name of the Course** | **Organized by** | **Duration of Course No.of Weeks/Days** | **form** | **to** | **Status (Completed / Ongoing)** |
| 1 | Business Application of Machine Learning and Artificial Intelligence in HealthcareCompleted | NORTHEASTERN UNIVERSITY | 4 | 28/6/2020 | 22/7/2020 | Completed |
| 2 | AI For Everyone | DEEPLEARNING.AI | 4 | 19/7/2020 | 9/8/2020 | Completed |
| 3 | Big Data, Artificial Intelligence, and Ethics | University of California, Davis | 4 | 5/7/2020 | 26/7/2020 | Completed |
| 4 | Programming for Everybody (Getting Started with Python)Completed | UNIVERSITY OF MICHIGAN | 7 | 26/7/2020 | 23/8/2020 | Completed |
| 5 | Introduction to Breast CancerCompleted | YALE UNIVERSITY | 7 | 5/7/2020 | 12/8/2020 | Completed |
| 6 | Data Visualization | University of Illinois at Urbana-Champaign | 4 | 5/7/2020 | 26/7/2020 | Completed |
| 7 | Text Retrieval and Search EnginesCompleted | UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN | 4 | 12/7/2020 | 16/8/2020 | Completed |
| 8 | Introduction to the Biology of CancerCompleted | JOHNS HOPKINS UNIVERSITY | 6 | 5/7/2020 | 9/8/2020 | Completed |
| 9 | DIGITAL SKILLS: ARTIFICIAL INTELLIGENCE | ACCENTURE | 3 |  |  | Completed |
| 10 | COMPUTER PROGRAMMING FOR EVERYONE | UNIVERSITY OF LEEDS AND INSTITUTE OF CODING | 2 |  |  | Completed |

**FDP's Attended:**

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| --- | --- | --- | --- | --- | --- | --- |
| **S.NO** | **Name of the FDP** | **FDP Organized(University Name/College Name)**  | **Place** | **Duration of FD (No of weeks/Days)** | **From** | **to** |
| 1 | Machine Learning Frontiersin Healthcare | AICTE Training and Learning (ATAL) Academy  | National Institute Of Technology, Delhi. | 5 days | 26/07/2021  | 30/07/2021 |
| 2 | A Five Day National Level Online Faculty Development Program On “Applications of Machine Learning” | Shri Vishnu Engineering College for Women(A). | Bhimavaram | 5 days | 15 june 21 | 19 june 21 |
| 3 | Business Analytics Using Python | TKR College of Engineering & Technology | Hyderabad | 5 | 22/6/2020 | 26/6/2020 |
| 4 | Advanced Python programming using Django | Malineni Lakshmaiah Womens Engineering College | Guntur | 5 | 21/5/2020 | 25/5/2020 |
| 5 | OBE-NBA Process | Narasaraopeta Engineering College (Autonomous) |  Narasaraopeta, Andhra Pradesh | 5 | 15th May, 2020 |  19th May, 2020. |
| 6 | ADVANCED DATAPROCESSING USING ML,ANN & DL | TKR COLLEGE OF ENGINEERING &TECHNOLOGY DURING | Hyderabad | 5 | 13.07.2020  | 17.07.2020. |
| 7 | Artificial Intelligence | Vignana Bharathi Engineering college(VBEC) | Hyderabad | 5 | 22nd May 2020 | 26th May 2020 |
| 8 | Computer Vision and Image Processing--Industrial Scope | RISE Krishna Sai Prakasam Group of Institutions | Ongole | 2 | 13/07/2020  |  14/07/2020 |
| 9 | DATA SCIENCE BEHIND NATURAL LANGUAGE PROCESSING | Kakatiya Institute of Technology &Science, Warangal | Waranagal | 5 | 6/7/2020 | 10/7/2020 |
| 10 | Ethical Hacking and Cyber Security | Institute of Aeronautical Engineering, | Hyderabad | 5 | 23/5/2020 | 27/5/2020 |
| 11 | New Normal-Pedagogical tools for online teaching | Fathima college | madurai | 2 | 11/5/2020 | 12/5/2020 |
| 12 | PHP & MysQL | JNTUH-CEJ | Jagityal | 6 | 18/5/2020 | 23/5/2020 |
| 13 | Role of Machine Learning & Data Sciences in AI | MGIT | Hyderabad | 5 | 28/7/2020 | 2/7/2020 |

# WORKSHOP ATTENDED&CONDUCTED:

1. Conducted workshop on ETHIAL HACKING by sai sathish Under CSI Student Branch in 2017.
2. Conducted workshop on “INTERNET MARKETING” by IIM Delhi, Under CSI Student Branch in 2016.
3. Conducted workshop on “WEB DESIGNING USING PHP “UNDER CSI 2 DAYS WORKSHOP FEB 8th &9th 2015.

# PROFESSIONAL QUALIFICATION

* Pursuing Post Doctoral from university of south Florida, Tamba, USA, Sep 2023
* Completed PhD in COMPUTER SCIENCE & ENGINEERING from university college of engineering, Osmania university, Hyderabad (July 2023)
* Completed M.Tech in COMPUTER SCIENCE & ENGINEERING from University College of engineering, Osmania University , Hyderabad in 2010.
* Completed B.Tech in COMPUTER SCIENCE ENGINEERING from Kakatiya Institute of Technology and Science Engineering College , Warangal in 2007.
* Completed Diploma in COMPUTER SCIENCE from V.M.R polytechnic, Warangal in 2004
* Completed SSC from St’Anthony’s High School, in 2000.

# ACHIEVEMENTS:

# Best researcher award by I20-by ministry of MSME,Govt of india

# Editorial member of American Journal of Data Mining and Knowledge Discovery

# Editorial member for SCIRO-IJIOT

* TS-SET Qualified in 2018.
* Gate qualified and secured 86% in 2008.
* Ratified By JNTUH as Asst.professor in 2013.

MEMBERSHIPS:

* Life Member of ISTE from 2017 –LM121371
* IAENG Member Number: 175788

# SKILLS & ACTIVITIES

* My skills include project management; interpersonal communication - oral and written; organizational development and leadership; understanding business, and promoting and maintaining a "healthy," productive work environment.
* My hobbies include Socializing with friends/neighbors, swimming, cooking, Organizing family gatherings and event, playing [video games](http://www.buzzle.com/articles/video-games/) riding motorbikes.

# PERSONAL PROFILE

Name : S.Rajesh

Father’s Name : Prakash

Date of Birth : 05-02-1984

Gender : Male

Marriage status : Married

Languages Known : Hindi, English, and Telugu. Strengths : Optimistic, Discipline, Amicable.

Permanent address : Street no: 5, Prashanthi Nagar,New Nallakunta, Hyderabad I hereby declare that all the details furnished are true to the best of my knowledge.

# (RAJESH SATURI)