

CURRICULUM VITAE

PAVAN SATHISH CHANDAKA

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Career Objective:

To do the best whatever I undertake or I was assigned with by adding value to my organization through my hard work, commitment and through my skills.

Teaching Experience (16 years):

- Working as Professor in the Department of Computer Science and Engineering, Chaitanya Engineering College, Visakhapatnam from July 2022 to till date.
- Worked as Associate Professor in the Department of Computer Science and Engineering, Baba Institute of Technology and Sciences, Visakhapatnam from Jan 2019 to June 2022.
- Subject-wise Faculty during Research as Full-time scholar in the Department of Computer Science and Systems Engineering, Andhra University College of Engineering (A), Visakhapatnam during June 2014 to Dec 2018.
- Worked as Assistant Professor in the Department of Computer Science and Engineering, S V P Engineering College, Visakhapatnam from July 2011 to April 2014.
- Worked as Assistant Professor in Department of Information Technology, DADI Institute of Engineering and Technology, Anakapalli, during September 2009 to April 2011.

Educational Qualifications:

- Ph.D awarded in the year 2019 on the Thesis entitled “SURNet- an Integrated Deep Neural Network for Cardiac Image Segmentation” from the Department of Computer Science and Systems Engineering, Andhra University College of Engineering, Visakhapatnam.
- M.Tech in IT with 8.46 CGPA in the year 2010 from GITAM University, Visakhapatnam.
- B.Tech in CSE with 72.6% in the year 2008 from Andhra University, Visakhapatnam.
- S.S.C. with 83% in the year 2002 from P.E.N School, Visakhapatnam.

Technical Skills

Skill / Technology		
1.	Programming Languages	C,C++, Java, SQL,WEKATOOL,PYTHON
2.	Web Technologies	HTML,XML,JAVA SCRIPT

Research Guidance:

Currently acting as Research Supervisor for 3 Research scholars Registered at Godavari Global University (GGU), Rajamahendravaram

Research Projects:

- Team member of the project entitled “MRI Coronary Artery Detection applying Deep Learning Techniques” under the MoU between Department of Computer Science and Systems Engineering, Andhra University and ExaWizards, Japan during the period June2017–September 2017
- Team member of the project entitled “Improving Semantic Segmentation model accuracy using MSCOCO and PASCALVOC datasets" under the MoU between Department of Computer Science and Systems Engineering, Andhra University and ExaWizards, Japan during the period November2017– August2018

Achievements:

- Qualified in AURCET-2013 examination conducted by Andhra University, Visakhapatnam for PhD admissions and secured 3rdrank.
- Received TEQIP-Phase 2 Merit Scholarship during July 2014 to January 2017 for the Full-time PhD tenure
- Qualified UGC-NET examination in September 2012
- Qualified APSET examination in July 2012
- Ratified by JNTUK in the year 2010 and 2022 as Assistant Professor.
- Successfully completed 2consultancy projects (A.U MoU with Japan) under the supervision of our research guide in the period of full-time research scholar.
- Participated and also conducted many workshops and Seminars till date

Subjects taught:

- Gen AI
- Deep Learning
- Natural Language Processing
- Artificial Intelligence
- Computer Networks
- Cloud Computing
- Machine Learning
- Database Management Systems
- Data Structures

- Data Warehousing and Data Mining
- Data Science
- Operating Systems

Professional Body:

Life Member of Computer Society of India since 2014

Certifications:

40 hours Certificate course in **Quantum Computing** offered by JNTUGV during Dec 2025 to Jan 2026

Publications:

- Dr Ch Pavan Sathish et al, 2025 “Advanced Severity Detection in Histopathological Ovarian Cancer: Rank-Based Leaf Wind Optimization and Alpha Piecewise Linear Fuzzy Techniques”, Cancer Biotherapy and Radio Pharmaceuticals, Vol. 40/10 page num. 800-808
- Dr Ch Pavan Sathish et al, 2026 “Multi- Qubit Entanglement Visualization”, International Journal Of Engineering Research and Science & Technology”, Vol.22 No.1(2) (2026)
- Dr Ch Pavan Sathish et al, 2026 “Hybrid Quantum – Classical Neural Networks for Efficient Image Classification on Small Datasets”, International Journal Of Engineering Science & and Advanced Technology”, Vol.26 Issue 03(1), March, 2026
- Dr Ch Pavan Sathish et al, 2026 “Implementation and Performance Analysis of Deutsch – Jozsa Quantum Algorithm Using QisKit”, International Journal Of Engineering Research and Science & Technology”, Vol.22 No.1(2) (2026)
- Dr Ch Pavan Sathish et al, 2026 “Grover’s Search Algorithm for Database Validation ”, International Journal Of Engineering Research and Science & Technology”, Vol.22 No.1(2) (2026)
- Dr Ch Pavan Sathish et al, 2026 “Quantum Teleportation Simulation Using Qiskit: A Web Based Interactive Educational Framework ”, International Journal Of Engineering Research and Science & Technology”, Vol.22 No.1(2) (2026)
- Dr Ch Pavan Sathish et al 2026, “Enhancing Antibody Antigen Interaction Efficiency Through AI Based Computational Approaches”, International Journal Of Research And Scientific Innovation (IJRSI)
- Dr Ch Pavan Sathish et al 2024, “ An Efficient Evaluation of Web Accessibility for E-Learning Websites Using Multi-tool for Visually Challenged Users”, Science and Technology: Recent Updates and Future Prospects, Chapter 7 Vol. 10
- Ch.Pavan Sathish, D.Lalitha Bhaskari, 2020, “Deep Learning based Segmentation of the Coronary Artery Region in the Cardiac MRI Images using U-Net Model”, TEST, Vol. 83 Issue 3(May-June 2020)
- Ch.Pavan Sathish, D.Lalitha Bhaskari, 2020,“Classification of Biomedical Images using VGG16 architecture”, TEST, Vol. 83 Issue 3(May-June 2020)
- Ch.PavanSathish, D.Lalitha Bhaskari, 2018, An Experimental Analysis on Texture

- Ch. PavanSathish, D. Lalitha Bhaskari, 2015 “Object Detection and Displacement Integrated with RoboRealM”, Int'l Conference on Artificial Intelligence, Electrical & Electronics Engineering (AIEE'15) May 13-14, 2015 Kuala Lumpur, Malaysia
 - Ch. PavanSathish, D. LalithaBhaskari, 2015 “Industrial trolley using supervised learning algorithm”, International Conference on Artificial Intelligence, Robotics and Embedded Systems, Oct 15-17, Andhra University, Visakhapatnam
 - Ch. PavanSathish, D. LalithaBhaskari, 2022, “SURNet: A New hybrid Deep neural network model for Coronary artery segmentation” Elsevier- Journal of king saud university.(under review)
 - Participated and presented a paper “Transfer Learning based Bio-Medical Image Classification using Deep Architecture” in the 4th International conference on Management Sciences, Engineering and Applications (ICMSEA-2019) organized by Centurion University of Technology and Management, Odisha, India at Parlakhemundi campus during 19-21 December 2019
 - Participated and presented a paper “Coronary Artery Segmentation using Deep Learning Architectures” in the 4th International conference on Management Sciences, Engineering and Applications (ICMSEA-2019) organized by Centurion University of Technology and Management, Odisha, India at Parlakhemundi campus during 19-21 December 2019

Workshops and Other Activities:

- Participated in “**A Fifteen Day Short Term Online Course on Emerging Research Trends in Computer Science and Engineering**” during 26thJune to 10thJuly-2023 conducted by Directorate of Faculty Development Cell at JNTU-GV, Gurajada Vizianagaram.
- Convenor for the student tech fest “**EKSHETRA 2K22**”, held in APRIL 2022 in Baba Institute of Technology and Sciences during the Headship of CSE department.
- Participated in “**R Programming for Data Analytics**” during 22nd March to 28th March-2017 sponsored by ISEA Project phase-II at AU, Visakhapatnam
- Participated in one week online FDP on “**Internet of Things for Emerging applications**” organized by Kakatiya Institute of Technology and Science, Warangal during May 10- 2020 May 14- 2020.
- Participated in an Online “**workshop on Latex**” organized by St. Teresa Arts and Science College for Women, Mangalakuntu during 18-05-2020 23-05-2020.

- Participated in a Four days webinar on "**An Effective Research paper writingskills**"organized by Bhagwan Mahavir University Surat during 13-04-2020 16-04-2020
- Participated in a 3 day National online FDP on " **Cyber security and Digital Forensics**" organized by International schoolof Technologyand Science for Women Rajanagaram during 21-05-2020 23-05-2020
- Participated in a 5 day FDP on "**Next Generation Intelligence**" organized by St. Peter's InstituteofHigher educationand research" Chennai during 20-05-2020 25-05-2020
- Participated in a 5 day online FDP on "**Artificial Intelligence**" organized by Gayatri Vidya Parishad College for degree and OG courses Visakhapatnam 22-05-2020 26-05-2020
- Participated in a two dayNationalworkshopon "**Recent trends in GIS with special reference to mobile GIS and Crowdsourcing**" conducted by the department of Geo-Engineeringandcentre forRemoteSensing,CollegeofEngineering(A),Andhra University, Visakhapatnam February 2017 sponsored by TEQIP-PHASE-II
- Participated in a two day National workshop on "**Remote Sensing in water resources evaluation and sustainable management (RSWESM-2017)**" conducted by the department of Geo-Engineering and centre for Remote Sensing, College of Engineering (A), Andhra University, Visakhapatnam I in commemoration of WORLD WATER DAY-2017 during March 2017 sponsored by TEQIP-PHASE-II
- Participated in an 18 days online course on "**Geoweb Services an Geoportal applications**" conducted byIndian Institute ofRemote Sensing during June 28, 2016 to July 15, 2016
- Participated in the 6-dayTEQIPWORKSHOPON"**Deep Learning for Visual Computing (WDLVC-2016)**" held at IIT- Hyderabad during June 20th-25th, 2016.
- Participated in a 2 Day workshop on **IBM DB2** held on 29th to 30th January2015 in the department of CSSE, Andhra University, Visakhapatnam.
- Udemy Certificate course done on"**DeeplearningA-Z: Hands-on Artificial Neural Networks**" during May 2020
- UdemyCertificate course done on"**MachineLearningA-Z:Hands-onPythonand R in Data Science**" during June 2020

PersonalProfile:

Name : PAVAN SATHISH CH
Father Name : APPALA RAJU CH
Date of Birth : 30-10-1986
Marital Status : Married

Languages Known: English, Telugu, Tamil, Malayalam and Hindi

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Dandu Bazar, Maharanieta, Visakhapatnam- 530002.