

PRUDHVI DAGGUMATI

Electronics and Communication Engineering Undergraduate

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PROFESSIONAL SUMMARY

Final-year B.Tech Electronics and Communication Engineering student with hands-on experience in Python, SQL, data analysis, data cleaning, Microsoft Excel, web development, database concepts, and machine learning fundamentals. Experienced in developing web applications and working on data-driven projects, including EEG-based emotion recognition using wavelet-based feature extraction and Graph Neural Networks. Familiar with AWS data engineering fundamentals, GitHub, and modern development tools. Strong problem-solving skills with a willingness to learn and contribute to Data Analyst, Data Engineer, and Software Developer roles.

EDUCATION

Bachelor of Technology (B.Tech) - Electronics and Communication

Engineering - Mohan Babu University, Tirupati

2023 – 2026

CGPA: 8.23

Diploma - Electronics and Communication Engineering

Rise Krishna Sai Polytechnic College

2019 – 2023

Percentage: 68%

Secondary School Certificate (SSC) - General

Sri Siva Sai E.M High School

2018– 2019

CGPA: 8.8

TECHNICAL SKILLS

- Python
- Data Analysis
- Data Cleaning
- Microsoft Excel
- Machine Learning Basics
- SQL
- HTML, CSS, JavaScript
- AWS (Data Engineering Fundamentals)
- VS Code
- GitHub

INTERSHIP EXPERIENCE

- Web Development Intern – Cognifyz Technologies
- Developed a dynamic temperature converter using HTML, CSS, and JavaScript with real-time input validation.
- Web Development Intern – Codec Solutions
- Implemented interactive UI components and mobile-friendly layouts to improve usability.

PROJECTS

- Temperature Converter Web Application – Built a real-time temperature conversion tool with validation logic and responsive design using JavaScript.
- Food Ordering Website – Developed a fully responsive website with structured layout, clean UI, and cross-device compatibility.

PROJECTS

- **EEG-Based Emotion Recognition Using Wavelet-Assisted Graph Neural Networks**

Final Year B.Tech Project | Mohan Babu University | 2026

- Developed a machine learning framework to recognize human emotions from multichannel EEG signals.
- Applied **Discrete Wavelet Transform (DWT)** for extracting time–frequency features from EEG data.
- Modeled EEG channel relationships using **Graph Neural Networks (GNN) with attention mechanisms**.

CERTIFICATIONS

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| • Deloitte Data Analytics Job Simulation | – Forage June 2026 |
| • AWS Academy Graduate | – AWS Academy Data Engineering |
| • Advanced Testing Practices Using AWS DevOps Tools | – AWS Training & Certification |
| • Introduction to Cybersecurity | – Cisco Networking Academy |
| • Basics of Python | – Infosys Springboard |
| • Micro-Certification – Welcome to ServiceNow | – ServiceNow |
| • AI for Entrepreneurship | – Intel |
| • AI for Accessibility | – Intel |
| • Embedded System Developer Virtual Internship | – AICTE EduSkills & Microchip |
| • HyperMesh for Finite Element Analysis (FEA) | |
| • Pre-Processing Virtual Internship | – AICTE EduSkills & Altair |
| • MERN Stack Developer Internship | – Codec Technologies |
| • The Agnirva Space Internship Program | (AICTE Recognized) |
| • MATLAB Certification | |
| • Python Programming | – HackerRank |

ACHIEVEMENTS & LEADERSHIP

- Abstract accepted for IECOM Conference – 2025
- Abstract accepted for IECOM Conference – 2026
- Coordinator, ISF (IETE Students Forum), Mohan Babu University
- Completed AGNIRVA Space Internship Program
- Internship League Hackathon – Participant, Sricity Education Foundation.