

Gavara Teja

B.Tech Information Technology | Final Year

Velagapudi RamaKrishna Siddhartha Engineering College | CGPA: 8.1

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LinkedIn

Portfolio

OBJECTIVE

I am eager to apply my technical expertise in Application Development, alongside my strong analytical and problem-solving skills, to contribute to innovative projects and gain hands-on experience. With proficiency in Python, React, HTML/CSS, JavaScript, and SQL, I bring a deep understanding of modern development practices and the full software lifecycle. I am passionate about creating impactful, efficient solutions and continuously improving my skills to meet the evolving demands of the industry.

KEY TECHNICAL PROJECTS

•FlavorBot: Smart Cooking Robot Prototype

AI-Driven Cooking Automation with Mobile App Integration

- Created FlavorBot, a smart cooking robot that automates meal preparation using sensors, actuators, and AI-driven control.
- In Online Mode, users can connect via a Flutter mobile app with Firebase to browse recipes, customize ingredients, and control cooking remotely, with real-time updates on cooking progress.
- In Offline Mode, the robot can function independently, offering a local recipe library and onboard controls for basic cooking tasks, including ingredient dispensing, heat control, and adaptive cooking adjustments.

•Satellite Image Object Detection (LULC)

Machine Learning-based Land Use and Land Cover Classification

- Developed a machine learning model using EfficientNet-B0 to classify land use and land cover (LULC) from satellite imagery.
- Preprocessed satellite images with augmentation and normalization techniques to optimize model performance.
- Achieved 85% classification accuracy using TensorFlow and Keras, integrated into a Flask web app for real-time analysis.

•IoT & Game Development Projects

Multiple Domains

2023–2025

- 6 DOF Robotic Arm prototype for industrial applications.
- ZyvraFlow - Gyro Glove with custom mobile app for key mapping.
- Full Banking ATM System Game with all fundamental banking features in Unreal Engine 5.
- 4-player local Monopoly Game in Unreal Engine 5.
- Vortex - Custom Web Browser application with enhanced features.

EDUCATION

•Bachelor of Technology in Information Technology

2022-2026

Velagapudi RamaKrishna Siddhartha Engineering College, JNTUK

CGPA: 8.1/10

•Intermediate (MPC)

2020-2022

Sasi Junior College

80%

EXPERIENCE

•AI-ML Virtual Internship

Google for Developers

July 2024 – Sep 2024

- Gained hands-on experience in AI and ML concepts, tools, and methodologies.
- Worked on real-world applications with industry-standard practices.

•Cloud Virtual Internship

AWS Academy

Apr 2024 – Jun 2024

- Acquired practical knowledge of cloud computing technologies and frameworks.
- Worked on deployment and management of scalable infrastructure.

ACHIEVEMENTS

- **International Hackathon Finalist** Finalist among 90+ teams at WUST 2025
- **National Hackathon Recognition** Third Prize for Gyro Glove Innovation 2024
- **Innovation Day Prize** First Prize for Automatic Cooking Machine 2023
- **Idea Presentation Prize** First Prize for AI-Drones at MIC College 2023

TECHNICAL EXPERTISE

Languages: Python, C++, Java, HTML, JavaScript

Frontend & Backend: React.js, Express.js, Node.js, Flutter

Databases & Tools: FireBase, MongoDB, MySQL, Git, GitHub, VS Code

Areas of Interest: Application Development, IoT, Game Design, Robotics

Soft Skills: Analytical Thinking, Problem Solving, Teamwork, Innovative

PROFESSIONAL CERTIFICATIONS

- **Machine Learning for Soil and Crop** NPTEL 2025
- **Privacy and Security in Online Social Media** NPTEL 2025
- **AWS Certified AI Practitioner** AWS Academy 2025
- **Joy of Computing using Python** NPTEL 2024