

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