Ganapathi Karthik

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Professional Summary

B.Tech Computer Science (AIML) student with hands-on experience in AI and web development. Built an AI-powered virtual doctor using multimodal inputs (voice, text, and image) for real-time health consultation. Currently developing a smart construction management platform. Passionate about solving real-world problems using intelligent and user-focused solutions.

Education

Bachelor of Technology in Computer Science (AIML)
KG Reddy College of Engineering and Technology
Expected Graduation: 2026
Relevant Coursework: Python Full Stack Development (Coursera)

Skills

- Python, HTML, CSS, JavaScript
- Node.js, Express
- Flask, Django, MySQL, MongoDB
- Git, VS Code
- AI/ML & Data Science Fundamentals

Projects

- **Construction Project – AI Construction Management Platform:**Landowners and clients struggle to find reliable, transparent, and professional construction services. The current process of connecting with contractors, estimating project costs, verifying work quality, and managing progress is fragmented and inefficient. This leads to delays, cost overruns, fraud risks, and poor communication. There is a need for a centralized digital platform that uses AI to give quick estimates, analyze land details, connect users with verified contractors, detect fraud, and track project progress in one place.

- **REPLATE:– AI Powered Food Waste Management System:** Led the development of an AI-driven solution to minimize restaurant food waste using predictive analytics and ML. Implemented surplus forecasting, NGO donation matching, expiry alerts, and sustainability tracking. Delivered a Streamlit dashboard for real-time insights, improving food utilization and promoting sustainability.

- **AI Stock Market Assistant:** Most retail investors lack the technical knowledge, tools, and real-time insights needed to make informed stock market decisions. Existing platforms are complex, expensive, or overwhelming for beginners. As a result, users often depend on guesswork, social media tips, or emotional decisions. There is a need for an AI-powered assistant that simplifies trading by giving smart predictions, risk alerts, news analysis, and personalized stock recommendations in an easy and understandable way.

- **AIA – AI Automation Studio Platform:** Many businesses and individuals want to automate tasks, build chatbots, generate content, and integrate AI tools into their workflow, but they lack the technical knowledge to do so. Existing AI platforms are either too complex, too expensive, or not customized to user needs. This creates a barrier for small businesses, startups, and students who want simple AI-powered solutions.There is a need for a centralized platform that allows users to request custom AI tools, chatbots, automation workflows, website solutions, and AI services easily — supported by an admin panel that manages leads, projects, quotes, and communication efficiently.

Certifications

• Fundamentals of Generative AI – GUVI (SAWIT.AI Learnathon, 2025)
• Full Stack Development Bootcamp – I&T; Labs
• Cyber Security and Ethical Hacking – Rinex & E-Cell IIT Bhubaneswar
• Programming for Everybody – University of Michigan (Coursera), Certificate ID:
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Extracurricular Activities

Vice President – AI Club, KG Reddy College of Engineering and Technology.
Participated in workshops and coding challenges related to Python and web development.

Additional Information

• Passionate about AI, full-stack development, and modern technology trends.
• Open to internships, hackathons, coding challenges, and collaborative projects.