Karthikeya Vuyyuru

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SUMMARY

Highly motivated software developer with hands-on experience in building Gen AI chatbots, web applications, and machine learning models. Solid foundation in algorithms, data structures, and cloud-native development. Passionate about crafting scalable production systems using Python, AI/ML, and cloud platforms.

SKILLS

Programming:	Python, C++, Java, HTML, CSS, JavaScript
Frontend:	HTML5, CSS3, JavaScript
AI/ML:	Random Forest, Linear Regression, CNN, LLMs, Prompt Engineering
Cloud/DevOps:	Google Cloud Platform, AWS Basics, GitHub Actions
Database:	SQL, Firebase
Problem Solving:	DSA, Competitive Programming (LeetCode)
Soft Skills:	Communication, Teamwork, Problem Solving

PROJECTS

Student Advisory Bot (AI Chatbot)   Link
- Developed an AI chatbot using Gemini API and Flask, reducing 70% manual effort.
- Built preprocessing modules and deployed on GCP App Engine.

Brain Disease Detection Using ML   Link
- Built Random Forest & CNN models achieving 89% accuracy on MRI datasets.
- Implemented full ML pipeline: preprocessing, model evaluation, reporting.

MobiKart - E-commerce Frontend   Link
- Developed a responsive frontend with HTML5, CSS3, JavaScript, Bootstrap 5.
- Integrated Firebase Authentication and Firestore backend.

EDUCATION

B.Tech in Computer Science and Engineering
Sir CR Reddy College of Engineering, Eluru   Apr 2024
CGPA: 7.78/10

Intermediate (MPC)
Sri Chaitanya Junior College, Guntur   Mar 2020
CGPA: 8.7/10

INTERNSHIPS

Google Cloud Generative AI - Virtual Intern   SmartInternz (Sep 2024 – Oct 2024)
- Built prompt workflows using Vertex AI LLMs. (Profile)

Data Science and ML Intern   YBI Foundation (Jun 2023 – Aug 2023)
- Developed ML models for Kaggle competitions. (Profile)

ACHIEVEMENTS & CERTIFICATIONS

Research Paper Publication: Published at 2nd IEEE ICoICI 2024. (Certificate)
Course Completion: Introduction to OpenAI GPT Models (Infosys Spring Board). (Certificate)