ABHIRAM BIKKINA

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LinkedIn | GitHub | LeetCode | Portfolio

SUMMARY

Aspiring Software Engineer with strong proficiency in Python and hands-on experience in building AI-driven and machine learning applications. Passionate about applying engineering principles to solve real-world problems.

EDUCATION

Amrita Vishwa Vidyapeetham Coimbatore, Tamil Nadu
B.Tech in Computer Science Engineering — CGPA: 8.2 July 2023 – July 2027

– Coursework: Data Structures and Algorithms, Object-Oriented Programming, Database Management Systems, Operating Systems, Computer Networks, Machine Learning

TECHNICAL SKILLS

Programming Languages: Python, Java

Libraries: NumPy, Pandas, Scikit-learn, HuggingFace

Databases: MongoDB, MySQL

Tools & Platforms: GitHub, Render, AWS (EC2, S3)

PROJECTS

HireVerse – AI-Powered Mock Interview Platform | GitHub | Live Demo

– Built an AI-driven mock interview platform offering role-based dynamic questioning, structured learning tracks, and personalized performance dashboards.

– Improved frontend performance using route-based code splitting and integrated secure authentication via Clerk API.

– Integrated Gemini API for AI-powered interview feedback and deployed the platform on Render.

MediSphere – Smart Health Ecosystem | GitHub | Live Demo

– Developed modules for EHR access ,doctor appointment booking, lab tests booking and emergency SOS workflows.

– Integrated Gemini-powered chatbot and implemented features for emergency health care access.

– Contributed to doctor portal features including prescriptions, vaccine tracking, and surgery records.

Bengaluru House Price Prediction | GitHub | Live Demo

– Built an end-to-end ML pipeline using Linear Regression and Random Forest, deployed via Streamlit.

– Engineered features such as distance to city center and proximity to schools, hospitals, and metro stations.

– Generated insights using heatmaps, feature importance plots and SHAP explainability graphs.

Anti-Theft Bag Security System | GitHub | Demo

– Developed an ML-assisted luggage security system using STM32F401, motion and vibration sensors, Bluetooth module, and OLED display.

– Implemented a Decision Tree model to analyze motion patterns and trigger Bluetooth alerts within 150 ms on anomaly detection.

CERTIFICATIONS

Oracle AI Foundations — Oracle

Python — Cisco Networking Academy

AWS Cloud Practitioner Digital Badge — AWS Academy

HONORS & LEADERSHIP

1st Runner-Up — IIIT Sricity Agentica Hackathon (Rank 2/130 teams)

1st Prize — Anokha Techfest Maze Mayhem (Rank 1/200 participants)

Presented research paper: *"Novel LLM-Based Framework for Kids Nutrition Recommendations"*, I-SMAC 2025, Nepal

Class Representative — CSE (2023–2024)

District-Level Basketball Player