Krishitha Boggarapu

Undergraduate Student

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B.Tech undergraduate specializing in **Artificial Intelligence and Machine Learning**, with a strong foundation in **Data Structures, Algorithms, and Python**. Experienced in building scalable, logic-driven systems and applying AI techniques to real-world problems. Seeking **AI/ML or Software Engineering internships** to contribute to impactful, data-driven products.

EDUCATION:

Bachelor of Technology – Artificial Intelligence & Machine Learning (2023 – 2027)
 Gokaraju Rangaraju Institute of Engineering and Technology (GRIET), Hyderabad

Relevant Coursework: Data Structures • Analysis of Algorithms • Python Programming • Database Management • Machine Learning • **Research Work:** Currently working on **VR in mental health**

TECHNICAL SKILLS:

Programming Languages: Python, Java, SQL, C/C++

Core Concepts: DSA • Object-Oriented Programming (OOP) • Problem Solving • Algorithmic Thinking

AI & Cloud Technologies: Artificial Intelligence Fundamentals • Machine Learning Principles • Google Cloud Platform (GCP) • Vertex AI

Tools & Platforms: VS Code • Git • Canva • Google Workspace • Microsoft Office Suite

CERTIFICATIONS :

• **Problem Solving** (Intermediate) – HackerRank (Data Structures & Algorithms) • **Python Essentials** – Cisco Networking Academy • **Responsible AI**: AI Principles – Google Cloud • **Generative AI & Responsible AI Foundations** – Google Cloud • **Flask (Frame work)** • **SQL (Basic) -** HackerRank • **Python (Basic)** – HackerRank • **IoT** – NPTEL • **Hashgraph Developer Program** – The Hashgraph Association • **Google Analytics Certification** – Google Skillshop • **Graphic Design Essentials** – Visual & Design Principles

PROJECTS:

ECHO AI – Disaster Management System (Vertex AI, Google Cloud Platform, API Management)

Developed a 5-step, real-time data pipeline on Google Cloud Platform with Vertex AI, reducing data noise by ~70% to identify critical rescue requests in disaster posts. Engineered an automated dispatch workflow, boosting emergency response data accuracy to ~90%. The system was designed to scale for concurrent inputs.

Automated Timetable Conflict Resolver | Python (Python, Constraint Satisfaction Logic)

Developed a Python-based scheduling algorithm using constraint satisfaction to eliminate academic timetable conflicts, reducing manual planning effort.

AgriPulse | Farming Assistant (TypeScript, React, Gemini,Open-Meteo API,Search API , NLP)

Developed a multilingual AI web app utilizing Gemini AI for image-based crop disease detection, Open-Meteo for weather, and live market data to aid farmers in diagnosis, alerts, and profitability.

redCode.exe | AI-Powered Stealth Safety System(python,os)

Designed a zero-UI safety system triggered via voice safe-phrase to enable emergency assistance. Implemented real-time speech recognition logic and automated SOS activation with privacy-first processing.

EXPERIENCE:

Wadhwani Foundation – Remote (Virtual Intern | Jan 2024 – Mar 2024)

Completed a structured virtual internship focused on **professional development and workplace readiness**.

LEADERSHIP & VOLUNTEERING:

TEDxGRIET – Hyderabad | Innovation Team Member | 2023 – Present

Contributed to theme ideation and speaker curation to ensure engaging, high-impact events.

Street Cause – Hyderabad | Volunteer | 2023 – Present

Actively involved in community service,demonstrating empathy,teamwork, social responsibility.