

# 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, Flask , Python, API Management)

**5-step real-time data pipeline** on Google Cloud Platform using **Vertex AI**, reducing noise by ~70% to filter disaster posts and isolate critical rescue requests. Engineered an automated dispatch workflow, improving emergency response data accuracy to ~90%. Designed the system to scale for thousands of concurrent inputs without performance degradation.

**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.

**Community Issue Tracker | Web Application** (HTML, CSS, JavaScript, Python (Backend), SQL)

Created a web platform for community issue reporting to a centralized dashboard with real-time status tracking from submission to resolution.

## EXPERIENCE:

**Elite Skills (Student-Driven Technical Club) – Hyderabad (Tech Lead | Aug 2024 – Present)** Led a technical team to design problem statements and manage infrastructure for **24-hour hackathons involving 50+ participants**.

**R&D Team, (Groww Athlete ) – startup ( Jan 2026 – Present )** Driving startup development by designing, testing, and refining solutions that enhance product performance and user 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.