GUNA VARDHAN KUMAR

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EDUCATION

BTech	Bhopal, Madhya Pradesh	Sept 2022 - 2026
VIT Bhopal University	Expected May 2026	
	Major in Computer Science and Engineering	
	Cumulative GPA: 8.54 /10.00	
12th Standard		June 2020 – May 2022
Aims junior College	Tirupathi, Andhra Pradesh	
	Maths, Physics, Chemistry	
	SSC Cumulative Percentage: 91%	

KEY PROJECTS

RescueCall Safety Application - Machine learning project   Dec 2024 - March 2025

- Developed an AI-powered mobile application that detects human screams in real time and triggers emergency alerts with GPS location to enhance public safety and crime prevention. Designed and deployed a real-time AI model capable of recognizing human distress screams with high accuracy, reducing response times in emergency scenarios.
- Implemented advanced machine learning algorithms, robust API integration, and scalable database architecture to support
- seamless operation under high user loads.
- Technology Stack : Machine learning,Android studios, API's, Database

AI-Driven Flight Operations Optimizer - Intelligent Scheduling and Delay Impact Modeling for Airport.   May – July 2025

- Analyzed flight schedules and radar data to optimize takeoff and landing times, helping reduce congestion at busy airports such as Mumbai and Delhi.
- Built an AI-powered interface using NLP to provide real-time query responses and scenario-based schedule impact analysis.
- Developed predictive models to identify flights with high cascading delay risk, enabling targeted interventions for improved operational efficiency.
- Technology Stack : Python, Machine Learning (scikit-learn, pandas), Natural Language Processing, Data Visualization, Open-source AI frameworks, Web scraping, Database management (MongoDB, MySQL).

Administrative Chatbot -   Natural Language processing and LLM project   April 2024 – May 2024

- Developed an administrative chatbot for the college to streamline communication by efficiently collecting and addressing student queries, enhancing user experience. Integrated real-time database connectivity and dynamic information retrieval, enabling instant, accurate answers and seamless record management.
- Implemented advanced machine learning models for query classification and automated responses; designed robust dashboards for analytics and monitoring chatbot performance.
- Technology Stack: CSS, JavaScript, Python, Machine Learning, Deep Learning, MongoDB, MySQL

SKILLS

Programming Languages and Tools : Python, cpp , Python frameworks, Python API's , Python Libraries ,MySql
Technology stack : Machine learning, Data science, Data visualization, Data Structures , Algorithm building
Core Subjects: operating systems, computer networks , DBMS , System Design , computer architecture
Soft skills: Fluency in Language , proactive leader , problem solving .

EXTRACURRICULAR ACTIVITIES

- Active Committee Member of Sports Club, organizing events and fostering teamwork since October 2022
- Regular participant in hackathons and coding contests, demonstrating problem-solving skills and competitive spirit.
- Languages Known – English , Hindi, Telugu
- Published a Research Article on Drones usage in Mining Industry for improve the productivity, secure work environment.

CERTIFICATION

- Oracle Data science professional certification - Comprehensive data analysis ,modelling , Data visualization
- IBM AI Engineering certification - Understand and Implementing AI ,Machine learning, Deep Learning techniques
- Machine learning Training(Finlatics) - Gaining practical skills in Deploying ML and DL projects.