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 a real-time mobile app that detects human screams and triggers emergency alerts with GPS tracking.
- Integrated ML models for sound classification, Firebase for cloud storage, and REST APIs for alert delivery.
- Ensured scalable and responsive performance across devices.
- Tech Stack: Android Studio, TensorFlow Lite, Flask API, Firebase, Librosa, Python.

AI-Driven Flight Operations Optimizer - Intelligent Scheduling and Delay Impact Modeling for Airport.   May – July 2025
- Built a web-based AI system to analyze flight radar data and optimize scheduling, reducing congestion at major airports.
- Developed predictive models to forecast cascading flight delays using Python and ML algorithms.
- Designed interactive dashboards and RESTful APIs for real-time insights.
- Tech Stack: Python, Flask, React.js, scikit-learn, MongoDB, MySQL, NLP, Data Visualization.

Administrative Chatbot - Natural Language processing and LLM project   April 2024 – May 2024
- Designed and deployed a college administration chatbot for student support and record management.
- Implemented NLP-based query handling, automated response generation, and backend analytics dashboard.
- Tech Stack: Python, JavaScript, Flask, HTML/CSS, MongoDB, MySQL, NLP, LLM Integration.

WORK EXPERIENCE

Infosys springboard   -   Virtual Internship   Oct 2025 - current
Position - MLOps , Data Engineer
Google cloud Generative AI - Virtual Internship
Position – Python Developer , GenAI Agent engineer

SKILLS

Programming Languages: Python, C++, JavaScript | **Frontend**: React.js, HTML5, CSS3, Tailwind
Databases: MySQL, MongoDB, Firebase | **Backend:** Flask, Node.js, RESTful APIs
Tools & Frameworks: Git, Docker, TensorFlow, scikit-learn | **Soft Skills**: Leadership, Problem-Solving, Adaptability, Collaboration
Concepts: Data Structures & Algorithms, System Design, Cloud Deployment, DBMS, OS, CN

CERTIFICATION

- Oracle Data Science Professional Certification – Data Modeling, Visualization & Deployment
- IBM AI Engineering Certification – ML, DL, and AI Integration
- Finlatics Machine Learning Training – Hands-on deployment of ML & DL application.

EXTRACURRICULAR ACTIVITIES

- Committee Member, Sports Club (VIT Bhopal) – Organized inter-college events fostering teamwork.
- Active Hackathon & Coding Contest participant with experience in rapid prototyping.
- Published research paper on Drone Applications in Mining Industry for productivity and safety.
- Languages: English, Hindi, Telugu