Balaga Bala Krishna

Telangana, India |+91 9010108221 |balagabalakrishna0001@gmail.com| Github

EDUCATION

VIT BHOPAL UNIVERSITY	Bhopal, IND
Bachelor of Engineering - Computer Science and Engineering(Cloud Computing& Automation)	Expected May 2026
Cumulative GPA: 8.57/10	
Sri Chaitanya Junior College (Class 12)	Telangana, IND
Math, Physics, Chemistry	**Percentage: 90.6%**	Jul, 2020 – Mar, 2022
Sri Chaitanya High School (Class 10)	Telangana, IND
Secondary School |**10.0 CGPA**	Jun, 2019 – Mar,2020

UNIVERSITY PROJECTS

RankAI – Multi-LLM Response Comparison Tool
Aug,2025- present

Team Project|Role: Team Lead, Backend Developer(Flask), API Integration & Prompt Engineer|Tech Stack: Flask, React, API's , SQLLite, JavaScript, CSS

- Led a team of 4 to build a platform comparing responses from **GPT-4, Gemini, Cohere, Llama, and DeepSeek** in real time.
- Developed the **Flask backend** and integrated multiple AI APIs with efficient request handling and ranking logic.
- Designed **scoring algorithms** to evaluate responses based on accuracy, relevance, and coherence.
- Collaborated with the frontend team to deliver a **clean, intuitive UI** for side-by-side model comparison.

Intelligent Code Snippet Search with Gemini AI Integration
Jan,2025 – Mar 2025

Personal Project | Tech Stack: Python, FAISS- NLP, Google Gemini AI API, Streamlit , HTML ,CSS

- Designed and deployed an AI-powered code search engine on **Streamlit**, indexing **500+ JSON-based code snippets** across multiple domains (web dev, ML, system design).
- Integrated **Gemini AI** to enable advanced functionality like **code explanation, debugging suggestions**, and **natural language search** ,**code translation ,code auto builder** enhancing developer productivity.
- Implemented **semantic search with FAISS (Facebook AI Similarity Search)**, improving snippet relevance; optimized backend for fast, scalable retrieval performance.

Blinkit E-Commerce Performance Analysis & Optimization
Oct,2024 - Dec 2024

Personal Project | Tech Stack: Excel, Python, Streamlit, Power BI

- **Cleaned and transformed large datasets using Excel** to ensure **data quality and consistency** for analysis.
- **Developed and deployed a Streamlit dashboard** providing a comprehensive executive summary including order volume, customer health, delivery statistics, average ratings, and top-selling categories.
- **Created interactive data visualizations in Power BI and Streamlit** to present category-wise performance, customer segmentation, and delivery insights for effective stakeholder communication.

ACTIVITIES

CERTIFICATIONS
- AWS Solutions Architect (Ethnus) Certificate
- Project Management Skills For Leaders (Linkedin) Certificate
- System Administration By Microsoft And Linkedin (Linkedin) Certificate

EXTRACURRICULAR
- **Technical Blogger |Medium.com** – Wrote articles on AI, programming languages, and tech industry trends.
- **Event Management Team Member | VIT Bhopal AI Club**
- **Content Writer | VIT Bhopal Data Science Club**

ADDITIONAL

Technical Skills: Python, SQL , Java (Basics), HTML, CSS.

Frameworks & Libraries : Streamlit , Pandas, NumPy ,Matplotlib ,FAISS (Facebook AI Similarity Search), Flask.

Tools & Platforms: Power BI, Excel, MS Office, GitHub, Git, AWS(Amazon Web Services), Microsoft Azure**.**

Courses: Operating system , Data structures and algorithms ,Computer networks , Data base management systems ,

Cloud computing,Cloud security, Cybersecurity Fundamentals, Software Development Life Cycle.

Soft Skills: Teamwork & collaboration, Time management, Adaptability ,Excellent Communication.