

Balaga Bala Krishna

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EDUCATION

VIT BHOPAL UNIVERSITY

Bachelor of Engineering - Computer Science and Engineering (Cloud Computing & Automation)

Bhopal, IND

Expected May 2026

Cumulative GPA: 8.57/10

Sri Chaitanya Junior College (Class 12)

Telangana, IND

Jul, 2020 – Mar, 2022

Math, Physics, Chemistry | **Percentage: 90.6%**

Sri Chaitanya High School (Class 10)

Telangana, IND

Jun, 2019 – Mar, 2020

Secondary School | **10.0 CGPA**

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 , SQL Lite, Java Script, CSS

- **Led a team of 4 members** to build a web app that compares answers from 5 different AI models (GPT-4, Gemini, Cohere, Llama 3.1, DeepSeek).
- Developed the **backend using Flask** and integrated multiple LLM APIs for real-time response generation.
- Created smart prompts and logic to **rank the best AI response** based on how accurate and relevant it is.
- Worked with the frontend team to design a **simple interface** showing side-by-side AI model output.

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](#)
- MERN Full Stack (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.
- **Content Writer | VIT Bhopal Data Science Club**

ADDITIONAL

Technical Skills: Python, SQL , HTML, CSS.

Frameworks & Libraries : Streamlit , Pandas, NumPy, Seaborn , FAISS (Facebook AI Similarity Search), scikit-learn(basics), Flask .

Tools & Platforms: Power BI, Excel, GitHub, AWS .

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

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