Balaga Bala Krishna

Telangana, India |+91 9010108221 |balagabalakrishna2022@vitbhopal.ac.in

EDUCATION

VIT BHOPAL UNIVERSITY   Bhopal, IND
Bachelor of Engineering   Expected May 2026
Computer Science and Engineering (Cloud Computing & Automation)
Cumulative GPA: 8.57/10
Relevant Coursework: Cloud Computing,Software Engineering, Operating Systems, Algorithms, Data Structures,CN, DBMS
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

Intelligent Code Snippet Search with Gemini AI Integration   Jan,2025 -Present

Personal Project | Tech Stack: Python, TF-IDF, NLP, Google Gemini AI API, Streamlit

- 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 NLP** , 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)
- MERN Full Stack Certification Program (Ethnus)

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:

Programming Languages: Python , SQL, HTML, CSS.

Frameworks & Tools: Streamlit ,Power BI ,Excel, AWS ,Git-Hub.

Libraries: Pandas, NumPy and TF-IDF (NLP).

Concepts: Data Structures & Algorithms, Object-Oriented Programming, Operating Systems, Computer Networks, Cloud Computing, Database Management Systems.

Soft Skills : Team Collaboration, Adaptability, Attention to Detail
Languages: English, Hindi, Telugu.
Hobbies: Stock market analysis , Chess, Cricket.