BALLA KOUSHIK

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Objective

Curiosity about how computer games work, introduced me to programming and motivated me to pursue Computer Science and Engineering. With strong interest in C++, Data Structures, web development, and AI/ML, I aim to become a Software Engineer building scalable and impactful applications.

Education

VNR Vignana Jyothi Institute of Engineering and Technology	2024 – 2027
B.Tech (CSE) – CGPA: 8.6	University: JNTUH
Government Polytechnic, Nalgonda	2021–2024
Diploma(CSE) — CGPA: 9.1	Board: SBTET
MJPTBC Welfare Residential School (Gurukul	2021
10th - GPA: 10	Board: SSC

Projects

AI RAG Chatbot (Ongoing)   *Python, FAISS, Ollama*

- Developing a context-aware chatbot using a RAG pipeline with web scraping, embeddings, and vector search.
- Implementing LLM-based response generation from retrieved college data to reduce hallucinations.

Internship Platform   *React.js, Node.js, Express.js, MongoDB,Razorpay*

- Developed a full-stack internship portal with authentication, profile management, and applications.
- Implemented resume builder, subscription module, and RESTful CRUD APIs.

Leaf Disease Detection   *Python, CNN, Transfer Learning*

- Trained an image classification model for plant disease detection with preprocessing and augmentation.
- Integrated prediction output with a simple frontend for user image upload.

Technical Skills

Programming Languages: C, C++ (DSA), Java (OOPs) ,Python
Web Technologies: MERN Stack (React.js, Node.js, Express.js, MongoDB),JavaScript, REST APIs
Databases and tools: MySQL, Git, GitHub
AI & ML: CNN, Transfer Learning, Retrieval-Augmented Generation, LLM Integration

Achievements

- Certified as **Diamond Coder** at Smart Interviews for consistent performance in Data Structures and Algorithms.

Certifications

- Programming Using C++ – Infosys Springboard
- Java Fundamentals – Infosys Springboard
- Summer of AI Internship – Participation Certificate