

DOSS CYRIL

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Portfolio: <https://dosscyril.vercel.app> | GitHub: github.com/Dosscyril

Profile Summary

B.Tech student specializing in AI/ML and software engineering. Proficient in full-stack development (MERN, Flask) and AI frameworks (PyTorch, LangChain, TensorFlow). Strong problem-solving skills backed by 650+ LeetCode solutions and hands-on experience building and deploying production-ready applications. Seeking Software Engineering roles to deliver scalable, high-quality solutions.

Education

CMR Technical Campus, Hyderabad

B.Tech in Artificial Intelligence and Machine Learning | CGPA: 8.38/10

Graduation: June 2026

Relevant Coursework: Design & Analysis of Algorithms, DBMS, Operating Systems, OOP (Java)

Technical Skills

Languages: Python, Java, C++, JavaScript (ES6+)

Frameworks & Libraries: React.js, Node.js, Express.js, Flask, Tailwind CSS

Databases: MongoDB Atlas, MySQL

AI/ML: PyTorch, TensorFlow, LangChain, Scikit-learn, NumPy, Pandas, ChromaDB

Developer Tools: Git, GitHub, Postman, VS Code

Soft Skills: Team Collaboration, Leadership, Fast Learner, Self-Motivated, Time Management

Problem Solving: 650+ LeetCode problems solved leetcode.com/u/Cyril02

Projects

HandMadeHub E-Commerce Platform

GitHub: github.com/Dosscyril/HandMadeHub | **Live:** handmadehub-61cd.onrender.com

- Developed a full-stack MERN e-commerce platform serving 60+ users and processing 20+ real transactions for a handcrafted products business.
- Engineered a streamlined cart and payment flow with React and Express.js APIs, reducing checkout friction by 30%
- Implemented robust user security using JWT authentication and deployed the application to production on Render with a responsive UI using Tailwind CSS.
- Designed an admin dashboard enabling self-service business operations for product uploads, order processing, and analytics, eliminating manual data entry workflows.
- **Tech Stack:** React.js, Node.js, Express.js, MongoDB Atlas, JWT, Tailwind CSS, RESTful APIs

RAG-Based Knowledge Chatbot

GitHub: github.com/Dosscyril/RAG-Based-Knowledge-chatbot | **Live:** [rag-based-knowledge-chatbot](https://rag-based-knowledge-chatbot.onrender.com)

- Built an AI Q&A system that delivers answers in 10-15 seconds from PDFs up to 100MB using the Gemini API.
- Implemented a Retrieval-Augmented Generation (RAG) pipeline with ChromaDB vector search and LangChain for document orchestration to bypass standard LLM context restrictions.
- Achieved 80% answer accuracy by designing semantic retrieval and document-grounded prompting to eliminate hallucinations and provide verifiable source citations.
- Optimized document processing to handle large PDFs in 3-5 seconds, generating 100+ searchable chunks for comprehensive context retrieval
- Deployed on Streamlit Cloud with an interactive chat interface and transparent source referencing
- **Tech Stack:** Python, Streamlit, LangChain, ChromaDB, Gemini API, Sentence Transformers

Certifications & Achievements

- Google Cloud: Data Analyst Track & Generative AI Introduction | Smart Coder (Smart Interviews) | Prompt Engineering (OpenAI)
- Achieved Guardian Badge on LeetCode contests, with 650+ problems solved across DSA.
- Smart India Hackathon - Selected for internal round, developed museum ticket booking chatbot