

# DOSS CYRIL

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Portfolio: <https://dossccyrl.vercel.app> | GitHub: [github.com/Dossccyrl](https://github.com/Dossccyrl)

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## 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.

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## 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)

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## 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/Cyrl02](https://leetcode.com/u/Cyrl02)

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## Projects

### HandMadeHub E-Commerce Platform

**GitHub:** [github.com/Dossccyrl/HandMadeHub](https://github.com/Dossccyrl/HandMadeHub) | **Live:** [handmadehub-61cd.onrender.com](https://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/Dossccyrl/RAG-Based-Knowledge-chatbot](https://github.com/Dossccyrl/RAG-Based-Knowledge-chatbot) | **Live:** [rag-based-knowledge-chatbot](https://rag-based-knowledge-chatbot)

- 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
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## 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