

DOSS CYRIL

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Profile Summary

Passionate B.Tech student specializing in Artificial Intelligence and Machine Learning, with a strong foundation in software development, data structures, and algorithms. Experienced in solving complex problems and building full-Stack applications. Seeking a Software Engineering Internship or full-time role to apply my coding skills, work on real-world projects, and grow as a developer.

Education

CMR Technical Campus (CGPA: 8.3/10)

Bachelor of Technology in Artificial Intelligence and Machine Learning.

Expected Graduation: 2026

Relevant Coursework: Operating Systems, Database Management Systems, Computer Networks, Design and Analysis of Algorithms, Object-Oriented Programming through Java.

Technical Skills

- **Programming:** Python, Core Java, C++, C.
- **Web Development:** HTML, CSS, Bootstrap, JavaScript, React, Flask.
- **Databases:** MySQL, MongoDB.
- **Machine Learning:** PyTorch, TensorFlow, Scikit-learn.
- **Problem Solving:** Solved 500+ LeetCode problems focusing on Data Structures & Algorithms.
- **LeetCode Profile:** <https://leetcode.com/u/Cyril02/>

Projects

Project Title : Video Captioning System. (*GitHub: <https://github.com/Dosscyril/Video-Captioning-system>*)

Improved video accessibility by automating machine learning-based captioning, increasing subtitle accuracy by 30%

- Developed a deep learning-based system to detect objects, transcribe speech, and overlay captions on videos.
- Integrated YOLOv8 for real-time object detection and OpenAI Whisper for speech-to-text transcription.
- Reduced manual captioning effort by 50% using OpenCV and MoviePy for automated caption synchronization.
- **Tech Stack:** Python, PyTorch, Whisper, OpenCV, MoviePy

Project Title : File Conversion & Compression Web App. (*Github: <https://github.com/Dosscyril/file-converter>*)

Built a web-based tool to simplify file and image conversions by integrating modular React components with a Flask backend.

- Developed six key tools (image resize, compression, format conversion: JPEG↔PDF, Word↔PDF) using React, improving usability for non-technical users.
- Implemented backend logic in Flask to handle file uploads, transformations, and API communication with 100% conversion accuracy across supported formats.
- **Tech Stack:** React, Flask, Python, HTML/CSS, JavaScript

Certifications

- Google Cloud Career Launch Pad - Data Analyst Track (Google Cloud, 2024).
- Google Cloud Career Launch Pad - Introduction to Generative AI (Google Cloud, 2025).
- Smart Coder – Smart Interviews.
- Prompt Engineering (OpenAI, 2025).

Achievements

- **Shortlisted in Internal Hackathon** – Smart India Hackathon (CMR Technical Campus)
Selected for the internal hackathon conducted by CMR Technical Campus as part of the Smart India Hackathon for developing a museum ticket booking chatbot.
- **Leetcode- Knight Badge**