

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:** My SQL, 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/>
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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
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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).
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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