Harshini Sanjana J

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Coimbatore, Tamil Nadu • LinkedIn • GitHub • Portfolio

PROFESSIONAL SUMMARY

Software Systems student with strong foundations in software engineering, object-oriented design, data structures, and backend development. Experienced in building scalable full-stack applications using React, Node.js, Flask, and MySQL. Proficient in REST API design, debugging, and Agile development.

EDUCATION

M.Sc. Software Systems(Integrated), Coimbatore Institute of Technology, Coimbatore   07/2023 – Present
CGPA: 7.79 (Till 4th Semester)

Higher Secondary Certificate (HSC), Sri Chaitanya Techno School, Coimbatore, Tamil Nadu   05/2021 – 04/2023
80.2%

PROJECTS

DevHive, *Vite+React, Tailwind CSS, Node.js, Express.js, MySQL* ⧉
- Developed a scalable full-stack system incorporating authentication, authorization, and secure file management workflows.
- Implemented RESTful APIs and cleanly structured backend modules to support efficient project lifecycle management.
- Created dynamic dashboards using React and Tailwind to provide real-time insights and enhance user engagement.

Hospital Patient Management System, *Java, Swing, MySQL, JDBC* ⧉
- Developed a hospital management system using Java and JDBC to handle patient records, appointments, and doctor details.
- Designed modular CRUD operations with optimized SQL queries for fast and reliable data access.
- Implemented input validation, error handling, and clean OOP structure to ensure maintainability and system robustness.

Menstrual Cycle Tracker, *Python, Flask, MySQL, HTML, CSS, Matplotlib, NumPy* ⧉
- Created a complete full-stack application with secure login, user-specific dashboards, and integrated analytics features.
- Designed backend workflows and optimized MySQL queries for fast, reliable prediction calculations and data retrieval.
- Implemented visual insights using Matplotlib to help users interpret trends and understand their cycle behavior.

SKILLS

Programming Languages
Python, Java, JavaScript, Swing

Databases
MySQL, MS SQL, Oracle DB, JDBC

Frontend
React, Angular, HTML, CSS, Tailwind CSS

Backend & Framework
Node.js, Express.js, Flask, Django

Tools & Libraries
Git, GitHub, VS Code, Jupyter Notebook, NumPy, Matplotlib, Pandas

AREA OF INTEREST

Software Development | Full Stack Application Development | Backend Development | Database Management Systems

LEADERSHIP AND EXPERIENCE

Design & UX Lead, Google Developer Groups On Campus-CIT   09/2025 – Present
Leading UI/UX design for developer platforms by analyzing user feedback and improving accessibility and engagement.

Joint Secretary, Student Developers Cell, CIT   05/2025 – Present
Coordinating technical events and community initiatives while mentoring members and improving engagement through data-driven decisions.

Video Editor, The Snippet, CIT   03/2025 – Present
Creating and editing high-impact video content optimized using engagement insights to boost outreach and visibility.

CERTIFICATIONS

- GenAI Mastery - NxtWave & OpenAI Academy
- C++ and Java Training Crash Course for Beginners - Udemy
- Introduction to Python - Infosys Springboard