

Harshini Sanjana J

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PROFESSIONAL SUMMARY

Motivated and detail-oriented Software Systems student with a strong foundation in development and database management. Experienced in collaborative problem-solving and technical leadership, with hands-on exposure to building innovative projects. Actively seeking internship opportunities to apply my skills, gain industry experience, and contribute to impactful real-world solutions.

EDUCATION

Coimbatore Institute of Technology, Coimbatore, Tamil Nadu

M.Sc. Software Systems | July 2023 – Present | CGPA: 7.79 (Till 4th Sem)

Sri Chaitanya Techno School, Coimbatore, Tamil Nadu

Higher Secondary Certificate (HSC) | May 2021 – Apr 2023 | 80.2%

Yuvabharathi Public School, Coimbatore, Tamil Nadu

Secondary School Leaving Certificate (SSLC) | 2010 – 2021 | 87.8 %

PROJECTS

DevHive (Vite+React, Tailwind CSS, Node.js, Express.js, MySQL)

- Developed a full-stack platform for developer collaboration with project discovery and application workflows.
- Implemented secure JWT-based role access and file uploads for portfolio submissions.
- Built a dashboard for project owners to track applications, manage decisions, and monitor real-time status.

Lung Cancer Detection Model (Python, TensorFlow, Keras, NumPy, Pandas, Scikit-learn, Matplotlib)

- Built a deep learning model for early-stage lung cancer detection from medical images with 75% accuracy.
- Applied transfer learning with pre-trained CNNs to boost accuracy and efficiency.
- Developed a modular ML pipeline for preprocessing, training, evaluation, and deployment.

Menstrual Cycle Tracker (Python, Flask, MySQL, HTML, CSS, Matplotlib, NumPy)

- Developed a cycle tracker with user login, period prediction, and hormone insights.
- Visualized cycle data using Matplotlib charts on a responsive dashboard.

SKILLS

- Programming Languages:** Python, Java, C/C++, HTML, CSS, JavaScript, TypeScript
- Frameworks & Libraries:** Angular, React, Node.js, Express.js, Axios, Flask, Django, Swing, Tailwind CSS, TensorFlow, Keras, Scikit-learn
- Databases:** MySQL, Oracle DB, MS SQL, MongoDB, JDBC
- Development Tools:** VS Code, Git, GitHub, Jupyter Notebook, Power BI, MS Office, Canva, CapCut, Linux

LEADERSHIP AND EXPERIENCE

Design & UX Lead, Google Developer Groups On Campus-CIT

Associate Director, Student Developers Cell, CIT

Video Editor, The Snippet, CIT

Media Production Lead, Student Developers Cell, CIT

Sep 2025 - Present

May 2025 - Present

Mar 2025 - Present

Sept 2024 - Apr 2025

CERTIFICATIONS

GenAI Mastery, OpenAI Academy & NxtWave

Introduction to Generative AI, Google

C++ and Java Training Crash Course for Beginners, Udemy

Power BI, OfficeMaster

4-Day Workshop in Linux Command Line, FOSS-CIT

AREA OF INTEREST

- Software Development
- Full Stack Application Development
- Database Management Systems (DBMS)
- Web Development
- ML - DL