

Sathyaseelan K

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Profile

A passionate and driven B.Tech IT student with a strong foundation in full-stack development, artificial intelligence, and real-world problem solving. Adept at designing innovative solutions using modern tools like OpenCV, DeepFace, and Flask. Looking to contribute and grow through meaningful tech challenges.

Education

B.Tech in Information Technology

Aug 2023 – Present

M.Kumarasamy College of Engineering, Karur

CGPA: 7.8 (Current)

HSC & SSLC

Completed in 2023

Chelammal Vidhyaashram, Trichy

HSC: 86% SSLC: 84.3%

Technical Skills

Languages: Python, Java, PHP, HTML, CSS, SQL

Frameworks: Flask, Bootstrap, MediaPipe, OpenCV

Tools & Platforms: XAMPP, Google Cloud, MySQL

Projects

AI Smart Attendance System using Face Recognition

Mar 2025 – Apr 2025

- Engineered a hybrid system using Python (DeepFace + OpenCV), PHP, and MySQL to automate attendance through facial recognition.
- Implemented real-time webcam detection, dataset storage, and database-linked user recognition.
- Designed a clean UI/UX for registration, live detection, and admin dashboard access.

Hand Gesture Calculator

Feb 2025

- Developed a real-time hand gesture calculator using Python, MediaPipe, and OpenCV.
- Captured finger movement to recognize digits and perform arithmetic operations on screen.

Learning Management System

Jan 2025

- Built a full-stack LMS using HTML, CSS, PHP, and MySQL with secure login, role-based access, and dashboard navigation.
- Enabled course management, student tracking, assignment submissions, and grade analytics.
- Delivered responsive and visually interactive web interface with animations.

Certifications

- Google Cloud SkillBoost Labs – Foundations of Cloud
- Introduction to Data Analytics – Google Cloud Skill Boost (Feb 2025)
- Introduction to Networking – Coursera (NVIDIA) (Jan 2025)
- NPTEL – Introduction to Industry 4.0 and Industrial IoT – Scored 61%

Languages Known

- English (Professional) Tamil (Native)