

Sathish Elayapillai

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TECHNICAL SKILLS

Languages & Frameworks: Java, Python, JavaScript, Node.js, React.js, HTML & CSS

Database: MYSQL, MONGO DB

Developer Tools: Git, GitHub, IntelliJ IDEA, VS Code, Postman

AI / Data Tools: TensorFlow, PyTorch, Scikit-Learn, Pandas, NumPy, OpenCV, Hugging Face, OpenAI API

Relevant Skills: Proficient in Data structures and algorithms, Analysis of algorithms, and System Design.

LEET: <https://leetcode.com/u/sathish3804/> **GOG:** <https://www.geeksforgeeks.org/user/sathishkxnn/>

PROJECT PROFILE

FORUM – A career site(MERN stack)

Developed a full-stack job portal that enables companies to post vacancies and manage hiring, while allowing candidates to register, log in, browse available jobs, and apply securely. The application integrates **React.js** for the frontend, **Node.js** and **Express.js** for the backend API, and **MySQL/MongoDB** for data persistence. Implemented **JWT-based authentication** to ensure secure access to user and admin functionalities.

Emotchy – Emotion Recognition Wearable (ESP32-CAM, XGBoost, Python)

Designed and developed an **AI-powered wearable device** capable of identifying facial emotions in real time. Integrated **ESP32-CAM** module with **XGBoost** classifier to perform image capture and expression classification. Engineered Bluetooth-based data transmission to external devices for live monitoring, optimised preprocessing of facial images to improve recognition accuracy, and reduced latency. Utilised Python, OpenCV, scikit-learn, and embedded C for model training, deployment, and device integration.

INTERNSHIP & CERTIFICATION

OCTANET.PVT.LTD - CHENNAI (June 2024 - July 2024)

- **Web development intern(HTML,CSS,JAVASCRIPT,NODE.JS)**

SHIASH INFO SOLUTIONS - CHENNAI (Nov 2024 – Feb 2025)

- **Data Analyst Intern (NUMPY, PANDAS, EDA)**

GRADIOUS EDTECH - HYDERABAD (MAY 2025 – OCT 2025)

- **MERN development, DSA training. (JAVASCRIPT, NODE, REACT, MONGO DB, SQL, DSA-JAVA, GIT)**

EDUCATION

Jerusalem College of Engineering

Bachelor of Technology in Computer science and engineering / CGPA: 8.1
2025

Chennai, TN

Aug. 2021 – May

Intermediate (MPC)

A.K.T Academy Higher Secondary School / Percentage: 85.5
2021

Kallakuruchi, TN

Aug. 2019 – May

ACHIEVEMENTS AND CONTRIBUTIONS

- Strong performer on **competitive coding platforms**.
- **Silver Medalist** in inter-collegiate athletics.
- **Student Club Coordinator** for technical and cultural events.
- Built **30+ MERN stack mini projects** showcasing full-stack expertise.