

Saravanan M

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Summary

Passionate and solution-oriented Computer Science student with a strong drive to build impactful software solutions. Experienced in full-stack development, mobile apps, and AI projects. Enjoys collaborating on challenging problems and continuously learning new technologies to stay ahead in the ever-evolving tech landscape.

Education

Muthoot Institute of Technology and Science — Kochi, Kerala
Bachelor of Technology in Computer Science

Oct 2022 – May 2026

- GPA: 7.95/10

The High Range School — Munnar, Kerala

2008 – 2022

- Percentage: 76.6

Experience

AI Intern

IBM SkillsBuild | June 2024 – July 2024

- Earned AI and Project Management badges through structured learning paths.
- Built an AI-powered chatbot using **Watsonx Assistant** to improve website user engagement and provide real-time support.
- Gained practical experience in AI-driven chatbot development and deployment workflows.

Trainee

100xDevs Cohort | June 2025 – Ongoing

- Worked on real-world software projects under the guidance of industry mentors.
- Built proficiency in full-stack development, DevOps practices, and scalable system architecture.
- Implemented multiple hands-on projects as part of an intensive cohort-based program.

Projects

[PrintEase – College Print Management Android App & Desktop App](#)

Flutter (Android & Windows) | Supabase | Email Auth | Realtime DB | Cloud Storage

- Solved long queues and manual coordination at college print shops by developing an **Android app** that allows students to upload documents, select print preferences, make payments, and track request status in real time.
- Built a dedicated **Windows app** for shopkeepers to manage print jobs efficiently by accessing cloud-stored files, updating print progress, and notifying students when their documents are ready, streamlining the entire process end-to-end.

[IntelliPlace – AI-Powered Campus Recruitment Platform](#)

React.js | Node.js | Express.js | PostgreSQL | OpenCV | Judge0 | NLP | Whisper

- Designed and developed an **AI-driven campus recruitment platform** to automate the end-to-end hiring pipeline, including **CV screening, aptitude tests, coding rounds, group discussions, and interviews**.
- Integrated **Judge0** for automated code compilation and evaluation, and leveraged **OpenCV** along with **NLP models** (including Whisper) to analyze video responses, communication, and candidate engagement during technical and interview rounds.
- Implemented separate portals for **student registration** and **company job management**, streamlining placement workflows for both candidates and recruiters.

🔗 [FixIT – Smart Internal Issue Resolver \(Web App & Backend\)](#)

React.js | Node.js | Express | MongoDB | JWT Auth | AI Matching

- Addressed internal support delays by allowing employees to **log technical issues** and automatically get matched to the most suitable colleague based on skills, history, and availability.
- Improved **organizational efficiency** by decentralizing **IT support**, reducing dependency on a **central helpdesk**, and enabling **faster, peer-driven issue resolution** through a secure web platform.

🔗 [College Marketplace](#)

MERN Stack | User Authentication | Search Filters | Community Platform

- Built a full-stack web platform enabling college students to **buy, sell, and trade** second-hand items like books, electronics, and furniture within their campus.
- Implemented secure **user authentication**, product listing features, wishlist functionality, and **advanced search filters** to enhance discoverability and trust.
- Promoted a **sustainable and affordable campus ecosystem** by encouraging reuse and peer-to-peer transactions in a verified student community.

🔗 [AirCanvas – AI-powered Air-Writing Tool](#)

Python | OpenCV | MediaPipe | OCR | Real-time Hand Tracking

- Developed a real-time air-writing system using **OpenCV and MediaPipe** that detects and tracks fingertip movements to draw on a virtual canvas without physical contact.
- Integrated an **OCR module** to instantly recognize and convert handwritten air-drawn characters into digital text.
- Designed for **contactless interaction**, promoting accessibility and enabling innovative applications in **education, smart classrooms**, and assistive technology.

Certifications

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|--|----------------------------|
| • Cloud Computing – IIT Kharagpur, NPTEL | <i>Jan–Apr 2024</i> |
| • Artificial Intelligence and Machine Learning – L&T EduTech | <i>Aug–Dec 2024</i> |
| • MERN Stack Development – Zero Pixels | <i>June 2024</i> |
| • Project Management Fundamentals – IBM SkillsBuild | <i>July 2024</i> |
| • 0–100 Full Stack Web Development Cohort – 100xDevs | <i>June 2025 – Present</i> |

Skills

Languages: Python, C, JavaScript, Java

Web Development: React.js, Node.js, HTML, CSS, Tailwind CSS

App Development: Flutter, React Native

Backend & Databases: Supabase, Firebase, MongoDB, SQL, PostgreSQL

Machine Learning & AI: Python, TensorFlow, OpenCV, Deep Learning, YOLO

Programming & Development: Data Structures & Algorithms (DSA), Vercel, GitHub

Design: Figma, Canva

Soft Skills: Problem-Solving, Analytical Thinking, Teamwork, Adaptability, Project Management