Vignesh Selvam

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[LinkedIn](#) | [LeetCode](#) | [HackerRank](#) | [GitHub](#)

CAREER OBJECTIVE

Passionate and detail-oriented Computer Science student seeking a Software Development. Proven ability to build full-stack applications using Java and the MERN stack. Strong problem-solving skills honed through competitive programming and real-world internships. Eager to contribute to innovative engineering teams and grow as a software developer.

EDUCATION

Akshaya College of Engineering and Technology.	B.E(CSE)	CGPA-7.7	2022-2026
Sri Aurobindo Vidyalaya Mat.Hr.Sec.School.	HSC	70%	2020-2022
Sri Aurobindo Vidyalaya Mat.Hr.Sec.School.	SSLC	89%	2018-2019

INTERNSHIPS

Web Development Intern At NLC India Limited, Cuddalore.   Mar–Apr 2024 (30 Days).
Developed responsive internal dashboards for NLC India using HTML, CSS, and vanilla JavaScript, improving page load speed by ~30% and reducing user task completion time by simplifying navigation.
Collaborated with a 3-member team, contributing to frontend redesign that improved layout consistency across modules.

Java Developer Intern At Skillcraft Technology, Pune   Jan–Feb 2025 (30 Days).
Built Java-based applications using Spring Boot and REST APIs.
Gained exposure to backend architecture, service integration, and enterprise development practices.

Software Development Intern At Cognifyz Technology   Jul–Aug 2025 (30 Days).
Worked on full-stack development projects using modern web technologies.
Developed 2 core modules using React, implementing reusable components that reduced code duplication by ~25%.
Acquired hands-on experience with real-world software development workflows and collaborative tools.

SKILLS

Languages: Java, Python, C++
Frontend: HTML, CSS, React.js,Next.js,Vue.js, TypeScript
Backend: Node.js, Express.js, API integration
Databases: MongoDB
Tools : Git, GitHub**,** Postman, VS Code, Eclipse
Cloud: Oracle Cloud Infrastructure (OCI)
Soft Skills: Strong communication, problem-solving, and teamwork skills, proven through collaborative projects and hackathons.

PROJECTS / OPEN-SOURCE

MediReach – Emergency Health Assistance Platform
Description: Created a real-time emergency health platform using React and Firebase. Implemented user geolocation to send location-based SOS alerts to nearby hospitals.Designed Firestore-based schema for blood donor registration and quick access during emergencies
Tech Stacks: React.js, Firebase, HTML, CSS, JavaScript, Git, Node.js.

CarbonTrack – Personal Carbon Footprint Tracker
Description: Developed a MERN stack web app to help users track carbon emissions from daily activities. Integrated Chart.js to visualize real-time emission trends and implemented JWT-based login for secure access.Deployed with MongoDB Atlas and tested API endpoints using Postman.
Tech Stacks: React.js, Node.js, Express.js, MongoDB, Chart.js, Axios, Git, Postman

Sea Border Detection System – Maritime Safety (Hackathon Project)
Description: Developed a Django-IoT solution to monitor vessel movement near national sea borders. Integrated GPS modules with alert systems and visualized real-time data using Leaflet.js. Presented the system in a national hackathon; selected as a finalist**.**
Tech Stacks: Django, Python, IoT (GPS Modules), JavaScript, Leaflet.js, HTML, CSS.

Weather App – Real-Time Weather Forecasting Application
Description: Built using React and OpenWeatherMap API to show real-time weather based on geolocation or user input.
Optimized UX with async API calls and responsive layout for desktop/mobile users.
Tech Stacks: React.js, OpenWeatherMap API, HTML, CSS, JavaScript.

CERTIFICATIONS

Full stack Development in MERN - KGisl MicroCollege (2024).

Full Stack Development in Java – ROBOMATIC(2023).

Cloud Practitioner – Oracle Cloud(2024).

LANGUAGES

Tamil, English(Fluently)

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

Finalist–National Level Hackathon 2024
• Built a GPS-based sea border monitoring system with Django, IoT modules, and real-time alerts for coastal security.
Active participant in coding challenges such as CodeJam, LeetCode, and CodeChef contests.
Competitive programmer on LeetCode, HackerRank
Member and Representative – CSI (Computer Society of India) Club

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