

Alagappan V

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[Leetcode](#) | [Portfolio](#)

PROFESSIONAL SUMMARY

B.Tech Information Technology undergraduate graduating in 2026 with CGPA 8.39/10 and no active backlogs. Strong foundation in Java, Data Structures and Algorithms, Object-Oriented Programming, DBMS, SQL, and web development. Built practical projects in online testing platforms, browser-based machine learning, and blockchain-based transaction systems.

EDUCATION

Sri Sairam Institute of Technology <i>B.Tech in Information Technology; CGPA: 8.39/10; No active backlogs</i>	Tambaram, Chennai 2022 – 2026
Dr. G. S. Kalyanasundaram Memorial School <i>Higher Secondary: 78.60%; Secondary: 87.40%</i>	Thanjavur 2019 – 2022

EXPERIENCE

Back End Developer Intern <i>Nexila Technologies</i>	Jun 2025 – Aug 2025 Chennai
– Developed backend modules for a Student Management Portal using Java and Spring Boot. – Implemented server-side validation, exception handling, and database operations using Spring Data JPA. – Worked with Redis caching and Git-based development while participating in testing and debugging. – Collaborated in an agile environment with requirement discussions, testing, and iterative fixes.	

PROJECTS

iLovexams-Online Assessment Platform <i>HTML, CSS, JavaScript, JSON, Bootstrap CDN</i>	2024 – 2025
– Developed and hosted ilovexams.com, an exam-preparation platform for NEET, JEE, CUET, SAT, and subject-wise mock tests with over 2 Lakh+ questions. – Reduced perceived page latency by using lightweight static JSON question banks, client-side rendering, and minimized asset loading. – Used Bootstrap via CDN to improve responsive layout, browser caching, mobile accessibility, and faster first-page rendering. – Built quiz navigation and scoring flow with dynamic question rendering and student-friendly page layouts.	
Object Detection Using Machine Learning <i>JavaScript, WebRTC, ml5.js</i>	2024 – 2025
– Built a real-time browser-based object detection system using live camera input and client-side ML inference. – Reduced inference latency by running ML in the browser instead of sending camera frames to a cloud API. – Used WebRTC video streaming with ml5.js model inference to keep processing local and reduce network dependency.	
Decentralized Farmer-Consumer Transaction Platform <i>Blockchain, Bootstrap, CSS</i>	2025 – 2026
– Designed a prototype for transparent farmer-consumer transactions using blockchain concepts. – Built front-end workflows for product listing and transaction interaction using Bootstrap and CSS. – Publication: Blockchain Based Decentralized Application Connecting the Farmers and Consumers.	

TECHNICAL SKILLS

Languages: Java, JavaScript, SQL, PL/SQL
CS Fundamentals: Data Structures and Algorithms, Object-Oriented Programming, DBMS, Operating Systems, Computer Networks
Web Technologies: HTML, CSS, Bootstrap, jQuery, JSON, REST API fundamentals
Developer Tools: Git, GitHub, VS Code, LeetCode

CERTIFICATIONS

Microsoft Certified: Azure Fundamentals ([AZ-900](#))
Microsoft Certified: SQL AI Developer Associate ([DP-800](#))
Microsoft Certified: GitHub Copilot ([GH-300](#))
Microsoft Certified: Azure AI Cloud Developer Associate ([AI-200](#))