

Vaduvanathan Periyasamy

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SUMMARY

A passionate, collaborative Software Engineer fresher, eager to contribute meaningfully to real-world problems, particularly in embedded software development and application design. Proficient in C/C++, Data Structures and Algorithms, with a solid understanding of software engineering processes, I build robust and efficient solutions.

TECHNICAL SKILLS

Programming Languages: C, C++, JAVA, Python, SQL

Core Concepts: Data Structures, Algorithms, Object-Oriented Programming, Software Development Lifecycle (SDLC), Embedded Systems Principles.

Languages: English, Tamil, Hindi.

EDUCATION

Bachelor of Engineering in Computer Science And Engineering - CGPA - 7.73/10 (77.84%) .

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Vels Institute Of Science And Technology - Chennai - Aug 2021 – May 2025.

Higher Secondary Certificate (HSC) - Score:409/600 (68.1%).

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St. Joseph's Matric Hr Sec School - Chennai - June 2018 - Mar 2019.

PROJECTS

Ticketchain – Web3 Ticketing System with Credit Scores

Web3 and Blockchain Project - Solidity, Supabase, Render, HTML/CSS/JS

[GitHub Live Demo](#)

- Built a decentralized ticketing system where users earn and lose credit scores based on event attendance and feedback.
- Designed Supabase schema with users, events, feedback, ratings, and credit log to manage participation history.
- Implemented early/late arrival scoring, rating-based bonus points for organizers/speakers, and Web3 wallet integration.

IoT-Based Flood Monitoring Prevention System for Terrain and Subway Region

IoT Development Project - Arduino IDE, Blynk, Firebase, TensorFlow and scikit-learn.

[View Project](#)

- Developed a dual ultrasonic sensor based embedded system for real-time flood monitoring in terrain/subway regions.
- Engineered alert system using water flow sensors and a buzzers for alarms on emergency situations.

School Management System

Software Development Project - Python, php, Mysql, AWS.

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- Increased data integrity by 30% by adding individual modules for students and staff.
- Reduced admin tasks by 25% by building a school management system using Python and MySQL.

CERTIFICATIONS

- Cloud Computing, NPTEL. [View Certificate](#)
- Software Testing, NPTEL. [View Certificate](#)
- Cyber Security, Futurecalls. [View Certificate](#)
- Getting Started with Artificial Intelligence by IBM. [View Certificate](#)
- Cloud Computing Advanced (AWS), Futurecalls. [View Certificate](#)

ACHIEVEMENTS

- Awarded Elite Silver Medal in Cloud Computing by IIT Kharagpur NPTEL - 76%

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