

SIVANA VEEN LAKSHMANASAMY

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Profile

Enthusiastic and detail-oriented software professional with real-world experience in developing and debugging C# and VB.NET applications for automation systems. Proficient in Windows Forms, object-oriented design, and system integration. Familiar with Verilog HDL for logic design and focused on building efficient, high-performance solutions for industrial and embedded platforms. In my role, I focus on handling multiple tasks efficiently and solving real-world organizational challenges.

Experience

Intern - Software Engineer– ASM Technologies (Foxconn, Bangalore)

Feb 2025 – Present

- Debugged and Maintained software applications for automation machines using C# and VB.NET in industrial production environments.
- Resolved 15+ software bugs during live production phases.
- Utilized Visual Studio and Windows Forms to design and maintain user-friendly GUIs for machine control and monitoring.
- Worked with SQL Server for backend management, data handling, and report generation.
- Gained practical experience in multithreading, OOP concepts, and implementing feature enhancements in existing applications.
- Familiar with serial and socket communication protocols, and basic use of background workers in real-time software systems.
- Demonstrated strong collaboration and documentation skills, working with cross-functional teams and contributing to structured issue tracking.
- Represented the software team in discussions with Foxconn and Apple clients, ensuring clarity in communication and alignment with project goals.

Projects

Weather Forecasting Using CubeSat

Final Year Project – 2024–2025

- Designed and built a CubeSat prototype equipped with temperature, humidity, barometric, and rain sensors using Arduino. Data was transmitted using LoRa modules.
- Developed a user interface using C# to monitor real-time sensor data and trigger weather alerts via GSM for remote areas.

Bus Reservation System

- Developed a Basic Bus Reservation System to facilitate online booking and management of bus schedules.
- Technologies: C#, Object-Oriented Programming: Applied OOP principles to design classes for users, and booking.

Mini-ATM

- Developed a Java-based ATM machine simulation to demonstrate understanding of object-oriented programming and basic financial transactions.
- Programming Language: Java, IDE: Eclipse

LPG Gas Detection and Auto-Off Regulator System

- Designed and implemented a safety system for detecting LPG gas leaks and automatically shutting off the gas supply to prevent accidents. Integrated LPG gas sensors to monitor gas levels and trigger alerts when thresholds are exceeded

Skills

Technical Skills	Soft Skills
<ul style="list-style-type: none">• Programming Languages: C#, Java, VB.NET• Multithreading, Background Workers• Windows Forms• Enhancing Existing Software• Communication Protocols:<ul style="list-style-type: none">• Serial Communication• Socket Communication• Multithreading, Visual Studio• Web Development: HTML, CSS• Database Management: MySQL• Git and GitHub• Verilog HDL• Digital Electronics• Digital Image Processing	<ul style="list-style-type: none">• Project Coordination• Team Collaboration• Communication• Leadership• Problem Solving• Decision Making• Time Management• Task Prioritization• Documentation• Reporting• Client Communication• Representation

Education

B.E. – Electronics and Communication Engineering

- Mahendra Engineering College, Namakkal, Tamil Nadu.
- Graduation Year: 2025 | CGPA:8.89

Higher Secondary Education (HSC)

- Thirupathi Arulneri Hr. Sec. School, Oddanchatram, Tamil Nadu
- Year of Completion: 2021 | Percentage:88%

Secondary School Education (SSLC)

- Thirupathi Arulneri Hr. Sec. School, Oddanchatram, Tamil Nadu
- Year of Completion: 2019 | Percentage:85%

Achievements

- Awarded 2nd place for Academic Excellence based on CGPA up to the 7th semester.
- Secured 1st place in Academics, Co-Curricular, and Extra-Curricular Activities – UTSAV, MEC

Certifications

- JAVA , SQL – Qspides Bangalore
- Full Stack Development – Wipro TalentNext
- Web development – L&T EduTech
- FPGA based System Design -Workshop -PSG College of Technology
- Aptitude Skills – L&T EduTech
- Project Leadership – LinkedIn Learning
- Leading and Motivating People in Project Management – Project Management Institute (PMI)

LANGUAGES

- English
- Tamil