S. PRAGADEESH

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Portfolio: https://spragadeesh003.github.io/Portfolio/ GitHub: github.com/SPragadeesh003

EDUCATION

- **Vellore Institute of Technology, Chennai** *Sep 2021 – May 2025*

Bachelor of Technology - Computer Science and Engineering with specialization in Cyber Physical Systems

TECHNICAL SKILLS

Programming Languages:	Java, JavaScript, Python, C, C++
Frontend Technologies:	HTML, CSS, ReactJS, AngularJS
Backend Technologies:	Spring Boot, TypeScript, MySQL
Tools & Platforms:	Zoho (CRM), Flask

EXPERIENCE

TI Cycles of India, Murugappa Group, Ambattur *Onsite*

CRM Administrator and IIOT Intern *Sep 2023 - Nov 2023*

- Developed and customized a Zoho incident reporting form, incorporating automated Service Level Agreements (SLAs), technician group integration, and master data mapping to streamline issue resolution.
- Engineered a Flask-based Python application for real-time monitoring of network device IP statuses, featuring CSV data storage for historical analysis and designed and implemented a web interface for the same

CERTIFICATIONS & ACHIEVEMENTS

Java Full Stack Course Certification | Iamneo *Sep 2023 - Dec 2023*

- Completed a comprehensive 2-month course focusing on Java, frontend technologies (HTML, CSS, JavaScript, ReactJS, AngularJS), and backend technologies (Spring Boot, TypeScript, MySQL).

Member Rotaract, Design and Editorial Team | Rotaract Club of VIT Chennai *2023-2024*

- Created posters for club events, receiving recognition for "Best Design" for three posters.

PROJECTS

Alcohol Sensing and Automatic Engine Locking System

- Developed an embedded system using microcontroller technology to detect alcohol levels and automatically disable a vehicle's engine, aiming to prevent drunk driving.

Hybrid Quantum ML Digital Twin for Flood Prediction (Capstone Project)

- Developed "AquaSentinel," an integrated system for real-time flood prediction using a multi-model (QNN, RF, XGBoost) ML engine and a Digital Twin in Unreal Engine for Chembarambakkam Lake.
- Engineered features including rainfall/inflow forecasting, risk classification, real-time data integration (APIs, SQL), and a visualization dashboard.
- *Key Technologies: Python, Quantum ML,Random Forest, XGBoost, Unreal Engine, Digital Twins, SQL.*

Sample Website

- Developed a foundational website using HTML and CSS to demonstrate web development fundamentals *Project link.*