

SHRIRAM M

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Objective

Aspiring Software Developer with a foundational understanding of Java and Python, eager to enhance my expertise in full-stack development. Passionate about problem-solving, software engineering, and scalable software solutions. Seeking an opportunity to apply my skills, contribute to innovative projects, and grow in a collaborative development environment

Education

- Selvam College of Technology** 2022 to 2026
Bachelor of Engineering (B.E) – Computer Science & Engineering
CGPA: 7.9/10 (Expected Graduation: 2026)
- Higher Secondary Education – Class 12** 2021 to 2022
Kandasamy Kandar School
Percentage: 89% (Completed: 2022)

Skills

- Programming Languages: Java (Fundamentals), Python (Basics).
- Web Development: HTML, CSS, JavaScript.
- Database Management: SQL (Basics).
- Tools & Platforms: GitHub (Version Control), VS Code

Projects

- Smart Helmet | Embedded IoT**
 - Engineered a Smart Helmet using Embedded IoT technology to enhance rider safety through real-time accident detection.
 - Integrated multi-sensor modules (accelerometer, gyroscope, gas sensor) for environmental monitoring.
 - Developed an emergency response system with GSM/GPRS alerts and GPS-based tracking, reducing emergency response time by 30%.
 - Programmed microcontrollers (Arduino/ESP32) and optimized wireless communication (Bluetooth/Wi-Fi) for seamless smart connectivity.

Internships

- AI/ML Intern | YBI Foundation (Online) | Jan 2025 – Feb 2025**
 - Implemented **machine learning models**, increasing prediction accuracy by 15% on real-world datasets.
 - Automated data preprocessing tasks, reducing manual effort by 40%.
 - Applied **NumPy, Pandas, and Scikit-Learn** for feature engineering and data modeling.
- Python Full Stack Intern | Selvam College of Technology | November 2024**
 - Developed and deployed **full-stack web applications using Python (Flask/Django)** with interactive frontend components.
 - Engineered **dynamic user interfaces** using **HTML, CSS, and JavaScript**, improving user experience and responsiveness.
 - Designed and optimized **backend functionalities**, reducing API response time by 20%.

Certificates

- Python Full Stack Internship** – Selvam College of Technology (Nov 2024)
- Full Stack Web Development (CSS, Bootstrap, JavaScript, PHP)** – Udemy
- Medical Billing Course** – Udemy
- Java Basics Certification** – GreekforGreek
- IBM One-Day Workshop on Cloud Computing**

Interests

- Algorithmic problem-solving & competitive programming
- Software development & system design
- Cybersecurity (bug bounty & ethical hacking)
- Full-stack web development (frontend & backend)
- Embedded systems & IoT applications