

MANASA M

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PROFILE

Electronics enthusiast with skills in embedded systems, microcontrollers, and web development, eager to build innovative tech solutions.

EXPERIENCE

Intern | Forge Innovation and Ventures

Working on web development, IoT-based projects, real-time monitoring, PCB designing and prototyping.

EDUCATION

- **Higher Secondary** – St. Mary's Girls Hr. Sec School, Salem-9.
- **B.E. Electronics and Communication Engineering** – Government College of Engineering, Salem (GPA: 9.32 till 5th semester)

PROJECTS

- **RFID-based Entry System**

Automated access control using RFID tags and servo motor.

- **Obstacle Detector using Arduino**

Developed a system with Arduino and ultrasonic sensors to detect nearby objects for automation safety.

- **Real-Time Monitoring System**

Live sensor data monitoring via ESP8266 and Google Sheets using Apps Script.

- **Basic Frontend Projects**

Developed interactive frontend projects including a digital clock, stopwatch, and temperature converter.

SKILLS

- **Programming Languages:** C, C++, Java
- **Web Development:** HTML, CSS, JavaScript
- **Tools and Software:** Fusion 360, Google Apps Script, Arduino Ide, Ki cad, LT spice

SOFT SKILLS

- Quick Learner
- Teamwork
- Leadership
- Effective Communication
- Time Management

AWARDS & CERTIFICATIONS

- Won **First Prize** in both Technical Paper Presentation and Project Presentation at symposiums.
- Completed a certified **Java Programming Course** from **Great Learning Academy**.

CO-CURRICULAR ACTIVITIES

- Attended a workshop on '**Antenna Design and Fabrication**'.
- Presented a paper on '**5G Technology**' at the National Level Technical Symposium.

LANGUAGES

- English
- Tamil
- Malayalam