RUTHIKA SRI C M

+91 7418532277 ◇ ruthikasricm@gmail.com
linkedin.com/in/ruthika-sri-c-m ◇ github.com/ruthikasri ◇ ruthikasri.github.io/RuthikaSri*portfolio*/

OBJECTIVE

Motivated Electronics and Communication Engineering undergraduate with a strong interest in software development, Embedded Systems and problem-solving. Skilled in Java and Python with hands-on experience in IoT, machine learning and frontend development projects. Seeking an opportunity to learn, contribute, and grow as a reliable professional.

EDUCATION

B.E. in Electronics and Communication Engineering (2022–2026)
Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College **CGPA: 8.6**

HSC (2022)
Government Girls Model Higher Secondary School **86%**

SSLC (2020)
Nazareth Matriculation Higher Secondary School **85%**

TECHNICAL SKILLS

Programming Languages:	Java, Python
Core Concepts:	OOPs, DBMS (Basics), OS (Basics), Networking (Basics)
Machine Learning:	Data Preprocessing, Model Training & Evaluation
Web Technologies:	HTML, CSS
IoT & Embedded Systems:	Arduino, Sensors, Actuators, MQTT, Cloud Integration
Tools:	MySQL, Google Colab, Jupyter Notebook, Wokwi, Tinkercad, Altium Designer

EXPERIENCE

Tutor – Engineering Monk May 2024 – Feb 2025
Taught fundamentals of programming and electronics. Conducted hands-on sessions to improve logical thinking and problem-solving skills.

PROJECTS

Detection of Coronary Arterial Disease Using E-Nose Technology
Designed an IoT-based system to analyze breath samples using gas sensors. Implemented KNN for disease classification and worked on sensor data collection and ML model training.
Tools: Arduino, Sensors, ThingSpeak, Python

Detection of Underloading and Overloading of Railway Wagons Using IoT
Developed a real-time monitoring system to detect abnormal load conditions, improving railway safety and operational efficiency. **Tools:** Arduino, Sensors, Arduino IDE, Adafruit IO

Mental Health Assessment Web Application
This is a responsive and user-friendly web application designed to help users self-assess their mental health, get matched with therapists, and start their healing journey. **Tools:** HTML, CSS, VS Code

CERTIFICATIONS & ACHIEVEMENTS

- Best Idea Presentation Award – Internal Smart India Hackathon 2023
- Second Prize – Paper Presentation, College Culturals 2024
- Altium Designer Essentials – On Demand Certification (2025)
- TCS iON Digital Learning – Communication Skills (Assessment Cleared)
- NPTEL Certification – Sensors and Actuators (Elite), Programming in Java
- Internship on Machine Learning using Python – NSIC
- Cisco Certification – Introduction to IoT and Digital Transformation
- GUVI Certification - Python Programming (2023)
- HiveMQ MQTT - HiveMQ MQTT Associate

SOFT SKILLS

Adaptability Teamwork Problem Solving Time Management Communication Skills