

# RUTHIKA SRI C M

+91 7418532277 ♦ [ruthikasricm@gmail.com](mailto:ruthikasricm@gmail.com) ♦ [Linkedin](#) ♦ [Github](#)

## OBJECTIVE

---

Motivated and detail-oriented engineering student with a strong interest in technology and innovation. Skilled in programming and problem-solving, with hands-on project experience. Eager to contribute to challenging roles in a dynamic organization.

## EDUCATION

---

### BE in Electronics and Communication (2022–2026)

Vel Tech High Tech Dr Rangarajan Dr Sakunthala Engineering College

CGPA: 8.7

### HSLC (2022)

Government Girls Model Higher Secondary School

86.2%

### SSLC (2020)

Nazareth Matriculation Higher Secondary School

85.2%

## TECHNICAL SKILLS

---

### Programming Languages:

Python, Java

### Machine Learning Tools:

Scikit-Learn, Pandas, Numpy, Matplotlib, Seaborn

### Web Development:

HTML, CSS, Javascript

### IoT & Embedded Systems:

Arduino IDE, Sensors & Actuators, Adafruit IO, Circuit Design, PCB Design

### Tools :

Altium Designer, Easy.eda, Arduinon IDE, MYSQL, Google Colab, Jupyter Notebook

## EXPERIENCE

---

### Tutor

May 2024 - Feb 2025

### Engineering Monk

- Taught basic coding languages and electronics to students.
- Helped students develop problem-solving skills and a strong programming foundation.
- Conducted interactive sessions and hands-on projects to enhance learning.

## PROJECTS

---

### Detection of Cardiovascular Disorder Using Machine Learning

It involves collecting and analyzing medical data. A machine learning model is trained on a dataset containing patient records to classify whether an individual has a heart disease risk.

Tools used: Pandas, Numpy, Scikit-Learn, Matplotlib.

### Detecting Underloading and Overloading of Railway Wagons using IoT

It detects both underloading and overloading in real time to enhance safety, optimize fuel efficiency, and prevent structural damage to railway infrastructure.

Tools used: Microcontroller, Sensors, Adafruit IO.

### Mental Health Assessment Web Application

Developed a mental health assessment web application with therapist matchmaking and guided healing steps. Designed a user-friendly interface for accessible self-assessment.

Tools used: HTML, CSS, JavaScript, Visual Studio Code.

## CERTIFICATES & ACHIEVEMENTS

---

- Won [Best Idea Presentation Award](#) in Internal Smart India Hackathon 2023.
- Won 2nd place in Paper Conference at College Culturals 2024.
- Certified in NPTEL courses: [Sensors and Actuators \(Elite\)](#), [Programming in Java](#).
- Completed internship on [Machine Learning using Python](#) at NSIC.
- Certified in [Altium Global Scholarship Program](#) - Altium Designer Essentials & 365 Designer Management.

## SOFT SKILLS

---

- Adaptability
- Flexibility
- Critical Thinking
- Teamwork
- Management