ROHAN MN

ECE STUDENT

My self Rohan m n, Pursuing a degree in Electronics and Communication Engineering. Alongside my academic studies, I have developed skills in Python programming with a focus on Data Structures and Algorithms (DSA), as well as Embedded Systems. I am enthusiastic about learning, exploring new technologies, and applying my knowledge to practical problems. With a strong interest in both hardware and software, I am eager to begin my professional journey .

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Srinivaspura Bengaluru - 560060, Bengaluru, India

EDUCATION

X
SJM High School

06/2019 - 08/2020 — *RAMAGIRI, HOLALKERE TALUK, CHITRADURGA DISTRICT*

Overall Grades
- 77.44%

XII
SPSM INDP PU College

06/2021 - 07/2022 — *DAVANGERE*

Overall Grades
- 83.83%

Bachelor of Engineering in ECE
JSS Academy of Technical Education

12/2022 - present — *BENGALURU*

SKILLS

c programming | Python in DSA | Embedded system | Embedded c

PERSONAL PROJECTS

Weather app
- A **weather app in Python** is a program that fetches and displays current weather information for a given location. It typically uses APIs like **OpenWeatherMap** or **WeatherAPI** to retrieve real-time weather data such as temperature, humidity, wind speed, and conditions (e.g., sunny, cloudy). The app can be built with a simple **command-line interface** , a **GUI** using libraries like **Tkinter** , or a **web interface** using frameworks like **Flask** or **Django** . It demonstrates API integration, data handling, and sometimes basic user input and error handling.
- skills used : Core Python , API & Web , GUI Development (Tkinter) , Additional Soft & Dev Skills

Stock Price Prediction System
- The **Stock Price Prediction System** is a project that aims to predict future stock prices based on historical data. It uses **machine learning models** to make predictions and can be extended to incorporate various stock market features and algorithms. This project typically involves fetching historical stock data, applying data preprocessing, training a model, and using the trained model to predict future stock prices.
- **Tools and Libraries Used** : yfinance , pandas & numpy , scikit-learn , matplotlib

Voice-Controlled Home Automation in Embedded system
- Implement a system that allows you to control home appliances via voice commands using platforms like Google Assistant or Alexa. You can extend the project by adding voice control for lights, fans, and other devices.

Autonomous Solar-Energy Weather Surveillance and Control Using IoT and AI
- The system is designed to **monitor weather parameters** like temperature, humidity, rain, sunlight intensity, wind speed, etc., using **sensors** . It is **solar-powered** , ensuring it can operate in remote or outdoor locations without external power. Using **IoT** , the data is sent to the cloud for real-time monitoring, and **AI** helps analyze trends, predict conditions, and make smart control decisions (e.g., activating ventilation, irrigation, or sending alerts).

LANGUAGES AND OTHER SOFT SKILLS

English | Kannada | Good Communication skill | Problem solving | Time Management - Efficienctly handling multiple tasks