RAHUL SHARMA

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Objective

I am a highly motivated and skilled engineer with a passion for embedded system development. I have a strong foundation in the following areas: C programming, Python, Linux, RTOS, Git, GitHub, STM32 Cube IDE, and communication protocols. I am eager to learn new things and I am always looking for new challenges. I am confident that I have the skills and experience that you are looking for in an Embedded System Engineer.

Education

Poornima College of Engineering, Jaipur   **2019 − 2023**
B.tech in Electronics and Communication Enginnering   *CGPA: 7.79*
BSER, Merta City   **2017 − 2018**
Senior Secondary   *Percentage: 60.80*
BSER, Rajasthan   **2015 − 2016**
Secondary   *Percentage: 65.17*

Technical Skills

Programming Languages: C programming (Intermediate), Python(Beginner)
Version Control Tools and IDE: Git, GitHub, Visual Studio Code, STM Cube IDE, AURIX Development Studi
Course Work: Linux, Programming for everybody (Python), Git&github.

Experience

Einfochips (An Arrow Company)   **Jan 2023 − present**
Project Trainee   *Ahmedabad*
- Responsible for developing and testing embedded software for STM32 microcontroller.
- Write and maintain documentation.
- Debug and troubleshoot issues.

Padhai Help Pvt. Ltd   **Jul 2022 − Jan 2023**
Robotics Trainer   *Jaipur*
- Responsible for designing, developing, and delivering robotics curriculum and training programs for students of all ages.

Projects

EV Charger Algorithm Development | *STM32 Cube IDE, CRO, PUTTY*   **March 2023 − Present**
- Development of EV charger Algorithm.
- Testing and bug fixing in previously written functionalities.

Smart Energy Meter | *Arduino IDE, Proteus*   **Jan 2022 − May 2022**
- Developed a smart energy meter that can measure energy consumption and send a text message to the owner when the remaining units are low.
- The specific features of the smart energy meter, such as the ability to measure energy consumption in real time, send text messages, and generate insights into energy usage patterns.
- Tech stack used: GSM, Micro-controller, IOT, Database.

Home Automation | *Arduino IDE, ESP8266, Wi-Fi*   **Jan − March 2019**
- The main objective of this project is to build a smart home device which can be used to control home appliances via the internet.
- The home automation device that we build can be integrated with all the home appliances and can be used to control them remotely from any part of the world.
- Tech stack used: ESP, Micro-controller, IOT, MQTT, IFTTT.

ACHIEVEMENTS &EXTRA-CURRICULAR ACTIVITIES

Technical Fests
- Won third place in the tech-fest of LNMIIT (PLINTH) in 2020.
- Won first place in the technical fest of Poornima college of engineering (AAROHAN) in 2020.
- Won first place in the techfest of Poornima college of engineering (AADHAR) in 2019.

Technical Club
- Was a member of the Technical Club (Zircon) of Poornima college of engineering from 2020 to 2023.

Student Council
- Was a member of the Student Council of Poornima college of engineering from 2020 to 2021.