

MAITRIYA DUBEY

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EDUCATION

B. Tech, Electronics and Communication Engineering

CGPA: 8.43

2023 - 2027 (Exp.)
MIT World Peace University, Kothrud, Pune

Class XII, Indian School Certificate

Percentage: 92

2021 - 2022
Sheiling House School, Kanpur

Class X, Indian Certificate of Secondary Education

Percentage: 97.4

2019 - 2020
Sheiling House School, Kanpur

SKILLS

Technical Skills

Arduino, 8051 Microcontroller, PCB Designing ,MS Office

Database and Tools

Git/GitHub, Visual Studio Code, KiCad, Multisim, Keilµvision

Programming Languages

C, C++, Python, Embedded C, Assembly Language

Soft Skills

Critical Thinking, Strong Communication, Keen Attention to Detail, Adaptability

PROJECTS

Ultrasonic Radar System using Arduino. Developed a radar system using an ultrasonic sensor and servo motor to detect nearby objects. Implemented real-time visualization using Processing IDE. Improved detection accuracy by optimizing sensor angles.

RFID-Based Attendance System. Designed and implemented an attendance system using RFID, Arduino, and a database. Integrated an RFID module (RC522) with an Arduino to scan ID cards and log attendance. Developed a real-time database system to store and retrieve attendance records. Improved security and accuracy by implementing unique RFID tags and time-stamping.

CERTIFICATIONS

- PYTHON BOOTCAMP BY UDEMY
- ARDUINO TRAINING BY SPOKEN TUTORIAL
- SIGNAL PROCESSING BY MATHWORKS
- MATLAB ONRAMP BY MATHWORKS

PERSONAL INTERESTS

- Creative writing: currently writing a personal book and poetry
- Visual arts: enjoy painting and sketching in my free time