Mohd Amir

Embedded Engineer

I am an ambitious and hardworking individual, working knowledge of embedded system and programming language.

✉ contactamir99@gmail.com   📱 +91-9910710121   📍 New Delhi, India   📅 02 March, 1993

EDUCATION

M.Sc Electronics
Jamia Millia Islamia

2019   *CGPA 7.8*

B.SC (H) PHYSICS
IGNOU

2017   *Percentage: 66*

WORK EXPERIENCE

Embedded Engineer
Curie Robotics

11/2020 - 01/2022   *New Delhi*

Tasks

- Managed the design and implementation of the various hardware and kits for robotics educational product.
- Designed RF, Ultrasonic, IR sensors Bots.
- Wrote firmware for projects on Arduino.
- Conducted prototyping and testing.
- Designed schematics and PCB for several projects.
- Designed curriculum for robotics courses and conducted workshops.

Embedded Engineer (Freelance)
Janajal

08/2020 - 10/2020   *New Delhi*

Tasks

- Worked on a water dispensing system.
- Interfaced TDS, Turbidity & GPS sensor and wrote firmware on Raspberry Pi for water dispensing system.

Six Month Training
Jamia Millia Islamia

01/2019 - 06/2019

Achievements/Tasks

- Worked as a trainee on project **Capacitive Sensing on Plants** under DR. Ashok Salhan Former Scientist (G), DRDO.
- Task is to determine the change in capacitance on plant under various condition and to collect data.
- Arduino and copper plate was used to determine the change in capacitance.

Summer Internship
Jamia Millia Islamia

06/2018 - 08/2018

Achievements/Tasks

- Worked on project **Self-Driving Robot,** under DR. Ashok Salhan Former Scientist (G), DRDO.
- Task is to build a bot that is autonomous,
- Arduino and ultrasonic sensor was used in the project.

SKILLS

C   C++   Python   Linux   Proteus
PCB Designing   Scilab   AWS   EasyEDA

PERSONAL PROJECTS

Temperature Sensor Data on AWS cloud (05/2020)
- Interfaced MLX90614 temperature sensor on ESP32.
- Stored Data of the temperature on cloud using AWS.

CERTIFICATES

Introduction to Internet of Things and Embedded systems (2020)

Python (2020)

PCB Designing (2020)

LANGUAGES

Hindi
Native or Bilingual Proficiency

English
Full Professional Proficiency

INTERESTS

Football   Snooker   Music   Robotics