

MANAAM REHAN

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EDUCATION

NATIONAL UNIVERSITY OF SCIENCES AND TECHNOLOGY

Bachelor of Engineering

Major in Mechatronics Engineering

Cumulative GPA: 3.8/4.0

Relevant Coursework: Robotics, AI, Automation, Embedded Systems & Mechanical Designing.

Islamabad, PK

Expected July 2022

WORK EXPERIENCE

FREELANCER.

PCB Design Engineer

- Design of Printed Circuit Boards for local and international clients.
- Working with clients to turn their ideas to a successful product.

Islamabad, PK

Jun 2021 – Current

MRS TECHNOLOGIES

Junior Embedded Software Engineer

- Working with the Embedded team of skilled engineers.
- Projects mainly focused on automotive technology.

Islamabad, PK

July 2022 – Current

UNIVERSITY & PERSONAL PROJECTS

FINAL YEAR PROJECT

- Micro-Unmanned Aero Vehicle (flapping wing based design)
- The UAV was designed using the concepts of bio-mimicking and the specimen chosen for mimicking was a barn owl.

May 2022

ROBOWARS MACHINE

- Successfully designed a combat robot which was built from scrap metal. The main weapon of the robot is a rotating blade and its special ability is that it can operate even if flipped upside down.

Jan 2019

ACTIVITIES & ACHIEVEMENTS

AMERICAN SOCIETY OF MECHANICAL ENGINEERS- CEME CHAPTER-

General Manager

- Organized and hosted a workshop for students regarding PCB Designing.
- Managing all the media related activities.

Islamabad, PK

Sep 2021 – Present

HEADSTART ROBOTICS CONTEST

Winner- Line Following competition

- Got 1st position in the line following competition during the first year of university.

Islamabad, PK

Dec 2018

ADDITIONAL

Technical Skills: PCB Designing, ESP32, ATMELE Microcontrollers, Arduino, RaspberryPi, MATLAB, Python C/C++, HTML/CSS, ESP-IDF, MQTT.

Languages: Fluent in English, Urdu, Punjabi; Limited Proficiency in Arabic.

Certifications & Training: Machine Learning (Kaggle), Chat-bot Development Level-1 (IBM), PCB Designing (Altium), CB3 Robot (Universal Robots).