HUMAYUN MUSTAFA

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An electrical engineering undergraduate with an interest in programming and electronics. Running in the pursuit to master these skills by working in a really challenging environment. Hoping to join a dynamic association to improve and gain proficiency in my area of interest.

EDUCATION

2018 –PRESENT

BACHELOR OF SCIENCE, ELECTRICAL AND ELECTRONIC ENGINEERING, NAMAL INSTITUTE MIANWALI

- **MAJOR COURSES**: PROGRAMMING FUNDAMENTALS, MACHINE LEARNING, COMPUTER NETWORKING, DIGITAL IMAGE PROCESSING, DATA STRUCTURES, EMBEDDED SYSTEMS, CONTROL SYSTEMS, POWER ELECTRONICS, LINEAR ALGEBRA, DIFFERENTIAL EQUATIONS, PRINCIPAL OF MANAGEMENT, DIGITAL SYSTEMS, LINEAR CIRCUIT ANALYSES, PROBABILITY, POWER DISTRIBUTION

2016-18
F.SC PRE-ENGINEERING, CONCORDIA COLLEGES OKARA

2014-16
SSC IN SCIENCE, DPS AND COLLEGE OKARA

EXPERIENCE

2018-PRESENT
DEGREE RELATED EXPERIENCE, NAMAL INSTITUTE MIANWALI

- Currently working on design of an autonomous robot for disinfection of enclosed spaces

- Implementation of perceptron in machine learning for classifying iris dataset
- Implementation of whole campus network of internet
- Implementation of binary trees and queues
- Implementation of tic tac toe
- Implementation of a Microsoft word like text editor
- Gained experience on assembly language through LMC simulator
- Gained experience in Linux ubuntu distribution through workshop
- Implementation of single and double linked lists
- Gained experience in object-oriented programming
- Gained experience on neural networks, classification algorithms in machine learning
- Gained experience in microcontrollers and microprocessors like STM32, ARM CORTEX, Arduino and Raspberry Pi PCB design using ferrous chloride solution using proteus
- Gender recognition using MATLAB
- Digital voltmeter
- Mobile charger 1.5A and 2A
- Implementation of control system in eva lego robot

2019-2020
HEAD OF GRAPHICS AND DECOR, IEEE NAMAL STUDENT BRANCH
- Designing posters and Pana flex with assistant
- Managing decorations of event site
- Designing of tickets for event

SKILLS

- Attention to detail
- Fluent in English speaking
- Critical reasoning

- Up to date technical knowledge
- Quick learner
- Programming languages: C++, Python, SQL, C, MATLAB, Verilog

HONORS AND AWARDS

- Need base scholarship at Namal Institute Mianwali
- Certificate of completion of internship at PLC internship by Burraq solutions
- Certificate of completion of electric panel internship by Burraq solutions
- Certificate for participation IIOT workshop