

Talha Rehman

Undergraduate - Year 4



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EDUCATION

B. Sc Electrical Engineering

Namal University Mianwali

2018 - Present

CGPA 3.4

Courses

- Machine Learning
- Digital Image Processing
- Computer Networks
- Data Base Management System

Intermediate

Abdul Razzaq Fazia College, Mianwali

2016 - 2018

89.27%

Courses

- Pre-Engineering

Matric

Abdul Razzaq Fazia College, Mianwali

2014 - 2016

95.9%

WORK EXPERIENCE

Work Study

Namal AI And Big Data Center

10/2021 - Present

Responsibilities

- Sensors Installation/ Repairing
- Machine learning research work.

Internship in Marketing Power Division

Pak Electron Limited virtual internship program

06/2021 - 12/2021

Internship Report Tasks

- Types Of Distribution Transformers and Capitalization Of Loss
- Total Owning Cost calculation of Transformers

Teaching Assistant In Calculus

Namal University, Mianwali

09/2019 - 02/2020

Responsibilities

- Conducting Tutorial Sessions

CO-CURRICULAR ACTIVITIES

President- Namal Religious Society

Organize seminars/ workshops and talk sessions of religious scholars.

Sub Editor- Namal Literary And Debating Society

Qirtas-e-Namal (First Magazine of Namal University)

SKILLS

Deep Learning

Python/C++

Tensor Flow

Keras

MATLAB

Proteus

Arduino

Kiel u vision/STM cube Mx

PROJECTS

Early Flood Warning System And Reservoir Optimization: Model For Namal Dam

- Using machine learning techniques to predict the water level of lake and develop mobile application for alert services
- Formulate Optimization model for optimal reservoir operation
- The project is in collaboration with Namal AI and Big Data Center and Center Of Water Informatics and Technology LUMS

Vending Machine Prototype

- Project in embedded systems using TM4C123GH6PM microcontroller
- C programming on kiel u vision

Obstacle Avoidance Robot

- Using Arduino with ultrasonic sensors and DC motors

Tic Tac toe game

- Using Python and C++

CERTIFICATES

International Youth Math Challenge (Bronze Honor)

IEEE Arduino Workshop

Matlab/ Simulink/ Image Processing/ Signal Processing/Optimization onramp

Online beginner Courses offered by MATLAB

Naseeha Institute Essentials Online

Islamic studies course

LANGUAGES

English

Professional Working Proficiency

Urdu

Full Professional Proficiency

INTERESTS

Deep learning

Image Processing

Microcontrollers

Optimal Microgrid Operation

MATLAB

Arduino Projects

Reading

Psychology