Talha Rehman Undergraduate - Year 4



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EDUCATION

B. Sc Electrical Engineering

Namal University Mianwali

2018 - Present

- Courses

CGPA 3.4

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

Intermediate

Abdul Razzag Fazia College, Mianwali

89.27%

Courses

2016 - 2018

Pre-Engeneering

Matric

Abdul Razzag 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

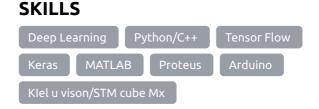
CO-CURRICULAR ACTIVITIES

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)



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			tion
MATLAB	Arduino Pro	jects Reading	
Psychology			