



ARSLAN MEHMOOD

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EDUCATION & QUALIFICATIONS

Bachelors in Electrical Engineering (Candidate)

Nov 2018 – May 2022

Namal University, Mianwali

CGPA: 3.405/4 (7th sem)

Intermediate (Pre-engineering)

2016 – 2018

Qurtuba College, Dera Ismail Khan

Marks: 903/1100

PROFESSIONAL EXPERIENCE

Industrial internet of things (IIOT) - course workshop

Aug 2021 – Sept 2021

- Learned the basics of iiot; scada, plc, node red.
- Implemented a control panel in phoenix contact software for controlling 3 industrial devices using different sensors.

Researcher (work-study), AI & Big Data center, Namal

Dec 2021 – Apr 2022

- Research area include flood forecasting, early flood warning systems, app development, and reservoir optimization

PROJECTS

Early flood warning system – Model for Namal dam (FYP):

Working on a deep learning model capable of predicting Namal dam water level and calculating flood risk. Android app development to deploy the model for monitoring current and future dam conditions and informing relevant authorities about flood risk.

Complete design of a software house network:

Implemented computer network of a software house having 3 buildings in different cities, interconnected with optical fiber connection and cost estimation for a complete network using Cisco packet tracer.

Vending machine prototype:

Implemented using Tiva C series microcontroller TM4C123GH6PM. Functionalities like interrupt, switch, and interfacing with the peripheral device was configured using assembly & c language. The vending machine included 2 sale items with a refund, repay and return extra amount functionality.

Class database management system:

Implemented using C++ and file handling. The class management system was responsible for maintaining information of students including grading and managing the database using file handling.

ADDITIONAL EXPERIENCE

Executive Graphics Designer, Center of Excellence & Skills Development, CESD Namal

Mar 2021 – July 2021

- Lead the graphics work for marketing purposes using posters and animation videos

Freelancer, Fiverr

Nov 2020 –

- Providing animation services; whiteboard, explainer, and 2d-animations.

HONORS & AWARDS

- Awarded 100% tuition fee waiver scholarship at Namal University, Mianwali.
- Certificate of appreciation for highly esteemed contribution as an executive graphics designer, CESD Namal

SKILLS & INTERESTS

- Expertise in c++, python, tensor flow, deep learning, proteus, pspice, matlab, cisco packet tracer, stm32cubemx
- Interested in data science, deep learning, amazon web services, natural language processing, computer networks, database management.