

MUHAMMAD UMAIR JAVAID

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Education

UNIVERSITY OF ENGINEERING AND TECHNOLOGY

Bachelor of Electrical Engineering

Lahore, Pakistan
October 2018 - May 2022

KIPS COLLEGE FAISALABAD

Fsc(Pre-Engineering)

Faisalabad, Pakistan
March 2016-June 2018

Professional Experience

MEGA TRANSFORMERS

An electrical company that deals in making transformers and electrical equipment.

Lahore, Pakistan
June 2021 – July 2021

Intern: 1 Month

- *Transformer assembling: Assembled different parts of transformers, tested 100+ transformers and rectified their ratings in case of any error.*

Final Year Project

Smart Brain Hemorrhage detection using Deep Learning

Group Leader

Lahore, Pakistan
September 2021 - May 2022

- *Machine Learning: Trained 4 deep learning models to detect whether a person has brain hemorrhage or not and developed a responsive web app for the ease of users.*
- *Teamwork: Collaborated with a team of 4 members and executed 100% of the website design for brain hemorrhage detection before the deadline.*

Academic Experience

Americal Sign Language detection: Implemented American sign language detection using Convolution Neural Network on Google Colab that can detect any sign with 98% accuracy and gives the result in audio format.

Emotions detection in speech using Machine Learning: Collected dataset of 4 types of emotions from 50+ people then trained that dataset using 5 machine learning algorithms to detect emotion in the voice.

Library Management System: Developed a website that will maintain a record of 5000+ books available in the library which will make students issue books easily.

DNS Cache Poisoning: Performed DNS cache poisoning on Kali Linux OS using Ettercap that can send traffic of a particular domain name to our desired web address.

Computer-Assisted Instruction: Monitoring student's performance: Built a program that will teach multiplication to secondary-level students. The student can track his/her progress and the percentage of his/her scores as well.

Automatic Door Opener: Implemented automatic door opener using interrupt in assembly language on TIVA Board.

RGB and Yellow dot matrix: Simulated Yellow dot matrix and RGB on Simulink and implemented on Veroboard.

Third-order active low pass filter: Designed a third order (Cascading sallen key topology with first order filter) active low pass filter and implemented it on PCB.

12V variable DC Power Supply: Designed and built variable DC power supply that can give DC power to any circuit from 0-12V.

Fire Detector: Made a circuit using sensors that will generate an alarm in case of fire and implemented it on veroboard.

Extracurricular & Volunteer Experience

AMAL ACADEMY

Faisalabad, Pakistan

Education startup funded by Stanford University that teaches professional skills to students. *July 2022 – October 2022*
Career-Prep Fellow

- *Communication:* Completed a competitive written application and interview process to be selected from over 6000 applicants for an intensive 3-month Fellowship funded by Stanford University
- *Skills development:* Invested 150 hours in order to develop business skills (e.g., communication, leadership, problem-solving, teamwork, etc.) that will help me in my professional life.

ECO CRAFTS

A startup that focuses on reducing women unemployment in rural areas.

Founder

- *Leadership:* Founded the startup and led a team of 7 members to work on reducing unemployment in rural areas, to promote handmade things and to minimize textile waste pollution.
- *Teamwork:* Collaborated with my team to generate sales of PKR 19000 in the first 4 weeks of launching startup.

EDHI FOUNDATION:

Volunteer

- *Fundraising:* Collaborated with 10 team members to visit 20+ educational institutions and industries to do fundraising of almost PKR 7,00,000 for the flood victims.

Honors and Awards

ACADEMIC SCHOLARSHIPS

Faisalabad, Pakistan

- Received Ehsaas scholarship funded by the Government of Pakistan November 2021-July 2022
- Received merit-based academic scholarship from Pakistan Cables November 2018-October 2021
- Received merit-based academic scholarship from KIPS College. September 2016-July 2018

ONLINE COURSES

Online

- Data Science Specialization - Youtube Ongoing
- Complete Python Mastery - Udemy – codewithmosh.com December 2021-April 2022
- HTML, CSS and Javascript Bootcamp – Youtube July 2022 - September 2022
- Deep Learning Specialization - Coursera – Deeplearning.ai August 2021 - March 2022
- Complete React Bootcamp December 2021-April 2022
- IT Essentials - Cisco Academy May 2020 - July 2020

AWARDS AND CERTIFICATIONS

Faisalabad, Pakistan

- Got Gold Medal in Career Prep fellowship from AMAL Academy. December 2022
- Received merit-based Laptop Award from Chief Minister Punjab January 2018
- Secured 1st position in English essay writing in Faisalabad Division February 2016

Additional

- *Technical Skills:* Visual Studio Code, Pycharm, Jupyter Notebook, Google Collab, Proteus, LTspice, MATLAB, Ettercap
- *Interests:* Web Development, Machine Learning, Artificial Intelligence, Book Reading, Cricket, Badminton, Podcasts