Zahid Ullah Khan

Electrical Engineer (Washington Accord Accredited)

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PROFESSIONAL EXPERIENCE

DataPoint — **Islamabad, Pakistan**

Machine Learning Engineer — ***Aug 2022 – Present***

- Optimizing the dataset by cleaning, organizing and managing its data sharing.
- Automating data extraction process to facilitated my team.
- Redesigned and optimized summary reports for our client using data visualization skills.
- Implementing and communicating daily workflow procedures to fellow team members, resulting in an increase in productivity.
- Training and evaluating different models.

Bilal Labs — **Islamabad, Pakistan**

Junior Data Analyst (Remote) — ***Dec 2022 – Oct 2023***

- Assisting team in cleaning raw data and extracting meaningful insights from their data.
- Managing the visualization of data insights and results.

Islamabad Electric Supply Company (IESCO) — **Zero-point Grid Station (Islamabad)**

Engineering Intern — ***Aug 2021 – Sep 2021***

- Working with many hourly electricians to test, testing and repairing transformers, circuit breakers, voltage regulators, DC batteries, ingoing and outgoing panels, daily reports log etc.

EDUCATION

National University of Sciences and Technology (NUST) — **Islamabad, Pakistan**

MS Information Security — ***2025 – 2026***

Ghulam Ishaq Khan Institute of Engineering Sciences and Technology (GIKI) — **Swabi, Pakistan**

BS in Electrical Engineering (Power) — ***2018 – 2022***

Cadet College Kohat — **Kohat, Pakistan**

Higher Secondary School Certificate (Pre-Engineering) — ***2015 – 2017***

ACADEMIC PROJECTS

FYP: Power factor correction (PFC) based induction motor drive for industrial application:

- A real time cost minimizing drive for Induction motors which will be enhancing the power factor, controlling the speed of motor and providing a soft starter for the motor. We used Simulink for the testing the project in initial stages but once we completed the testing and diagnosing stage, we used C++ through Arduino for our final drive.

Junior Year Project: Digital Multi tasking Energy Meter:

- A Multi-function energy meter monitors and measures all the electrical parameters such as input voltage, current, frequency, the power factor, the overall units consumed and their total price of those units. Overall coding was done using Arduino in C++ for all the output requirements from the PIC18f4550 micro-controller

Complex Engineering Problem (CEP) Projects:

- Designed and analysed a whole distribution system with an effective protection scheme for Norway using MATLAB coding for data extraction and solving matrices.
- Programming Face Recognition system using MATLAB coding and Data sets.

CERTIFICATIONS

- Coursera Certified: Introduction to Programming with MATLAB.
- Coursera Certified: Getting started with Google Sheets.
- Coursera Certified: Programming for Everybody (Python Data Structures).
- Coursera Certified: Google Data Analytics Professional Certificate.
- DeepLearing.AI Certified: Machine Learning Specialization.

AWARDS

- Chief Minister KP Scholarship for my Bachelors studies.
- Best Sportsman (2017) and Best Athlete (2015-2017) in college.
- Teams: GIKI Football Team, CCK Football Team, CCK Captain Gymnastic Team, CCK Basketball Team.

SOFTWARE SKILLS

Electrical Engineering Tools:	MATLAB, Proteus, Multisim, Power World Simulator, Simulink.
Programming Languages:	Python (Pandas, pytorch, NumPy), SQL, C++, MATLAB, HTML.
Developer Tools:	Jupyter Lab, Google Colab, VSCode, BigQuery, Tableau, Github, Linux.
Office Tools:	Google sheets, Libre Office, MS word | Excel | PowerPoint.