

# Bushra Hafeez

## Electrical Engineer

An Electrical Engineer with a passion for data analytics, adept at transforming complex datasets into actionable strategies, determined at using technical prowess to the best of her knowledge and aimed in driving innovative solutions for the workplace. Recently completed the Google Data Analytics certificate; a hands-on program that covers entire process of data analyses.

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☎ 03327200667

📍 Islamabad, Pakistan

📅 01 December, 1999

## EDUCATION

### Master's in Electrical Engineering National University of Sciences and Technology, Islamabad

09/2021 - 12/2023

3.85/4.00

#### Courses

- Optimal Control
- Machine Learning
- Stochastic Systems
- Advanced Power Electronics

### Bachelor's in Electrical Engineering University of Engineering and Technology, Lahore

09/2017 - 08/2021

3.05/4

#### Courses

- Digital Signal Processing
- Microprocessor Systems
- Data Structures and Algorithms
- Signals and Systems

## PROFESSIONAL EXPERIENCE

### IT Support Intern IBEX Global, Islamabad

09/2023 - 12/2023

Gained valuable experience in troubleshooting and technical support.

### Research Assistant at Electric Vehicle Lab NUST, Islamabad

08/2022 - 09/2023

Worked on Electric Vehicle Charger Design

### Teaching Assistant of Stochastic Systems NUST, Islamabad

09/2022 - 01/2023

Enhanced my communication and organizational skills, as well as my ability to collaborate with faculty and students effectively.

### Intern Power House, UET, Lahore

07/2019 - 08/2019

Gained valuable hands-on experience in the operation and maintenance of electrical systems, and generators, and power distribution equipment.

## SKILLS

MATLAB/Simulink

Proteus

Multisim

ETAP

Spreadsheets

MySQL

Power BI

Python

R

C Language

## PERSONAL PROJECTS

### Smart Device Data Analysis. (03/2024 - 04/2024)

- Analyzed smart device data to gain insight into how consumers are using their smart devices, and providing marketing strategy for the company.

### Speed Regulation of an Induction Motor in Multi-Source Hybrid Electric Vehicle. (11/2023 - 03/2024)

- Implemented a control system for the induction motor to regulate speed in a multi-source hybrid electric vehicle, optimizing energy efficiency.

### Development Of Airline Baggage Scanning System By Deep Learning. (09/2020 - 08/2021)

- Trained Models: Efficient Det D0, Efficient Det D1, SSD MobileNet V1.

## CERTIFICATES

### Google Data Analytics (10/2023 - 01/2024)

Skills acquired like data collecting, data cleaning, data visualization, data analysis, and how to communicate data insights

### Machine Learning Specialization (01/2020 - 04/2020)

Acquired a comprehensive understanding of Linear Regression, Logistic Regression, Artificial Neural Networks, Decision Trees, K-Maps, and Recommender Systems

## SOFT SKILLS

Communication Efficiency

Adaptability

Team Building and Leadership

Structured Thinking

## LANGUAGES

English

Full Professional Proficiency

Urdu

Native or Bilingual Proficiency