

Tooba Manal

Electrical Engineer

A competent electrical engineer with a comprehensive knowledge of designing, developing and maintaining electrical systems and components to required specifications, focusing on economy, safety, reliability. Quality and sustainability. Looking to utilize valuable skill set in a new challenging position.

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☎ 03356839509

📍 Chashma, Pakistan

🌐 [linkedin.com/in/tooba-manal](https://www.linkedin.com/in/tooba-manal)

EDUCATION

BS Electrical Engineering Namal University Mianwali

09/2019 - Present

Mianwali, Pakistan

Courses

- Power Electronics
- Renewable Energy System
- Smart Grid Systems
- Control systems
- Database Engineering
- Digital signal processing
- VLSI Design
- Electromagnetic theory
- Data Structure and Algorithms
- Object Oriented Programming

WORK EXPERIENCE

Trainee Engineer Hydel Power Plant

07/2022 - 09/2022

Chashma, Pakistan

Achievements/Tasks

- Understanding the basic operation of hydel power plants
- Learned about the maintenance and repair procedures for the various components of the power plant, such as the turbines and generators.
- Learned how to monitor the performance of the power plant and analyze data to identify potential issues or areas for improvement.
- Learned about the process of producing and distributing energy from hydel power plants to end-users.
- Learned how to effectively communicate and work in a team environment.

Internee ZIMCO International Corporation

Karachi, Pakistan

Achievements/Tasks

- Learned about the different products and their applications in Automation and Controls, including the features and benefits of each product, their technical specifications, how they can be used in different industrial settings.
- Got the exposure to sales and marketing activities, including lead generation, customer service, market research, and product promotions.
- Assisted the technical team in providing support to customers, including troubleshooting, technical documentation, and product installation
- Learned about the logistics and supply chain management involved in the distribution of Phoenix Contact products, including inventory management, shipping, and delivery.
- I gained insights into the latest industry trends and developments related to Automation and Controls, including emerging technologies, regulatory changes.

SKILLS

Matlab

PSpice

C/C++

AutoCAD

Microwind

Cadence(Virtuoso)

PROTEUS

Photoshop/Illustrator

PERSONAL PROJECTS

Design of a Piezoelectric Based Low Power Charging System for Portable Electronic Devices
(09/2022 - Present)

Noise Removal from Audio Signals - MATLAB
(05/2022 - 06/2022)

Online Library System - C++ (04/2022 - 04/2022)

Implementation of Computer Networks and LAN - IP addressing & topologies techniques
(12/2021 - 01/2022)

ORGANIZATIONS

Center of Excellence and Skills development
(05/2022 - Present)

Advisor/Consultant

Women in Engineering (06/2021 - 04/2022)

General Secretary

CERTIFICATES

Build Face Filters for Instagram & Snapchat' Online Bootcamp

Breast Cancer Prediction using SVM' Bootcamp

LANGUAGES

English

Full Professional Proficiency

Urdu

Native or Bilingual Proficiency

Punjabi

Native or Bilingual Proficiency

Spanish

Elementary Proficiency

INTERESTS

Painting

Graphic Designing

Gardening

Reading