Muhammad Arsalan
ELECTRICAL ENGINEER

SUMMARY

A highly skilled Electrical Engineer with over three years of experience in Manufacturing and IT Industry. Moreover, I am apt at programming languages and experienced in using data analysis tools to create compelling reports. Highly enthusiastic and energized individual with a passion to become better at work than yesterday. I Believe anything can be learnt with right set of steps in the right direction. Highly adept in request for proposal development, & technology-need assessments. Detail-oriented, excellent communicator with hands-on approach on building trust with key stakeholders through results and objective completion. I am seeking an opportunity in the relevant field to enhance my experience and utilize my skillset and education to grow.

EDUCATION

2015 – 2019
Bachelor of Science in Electrical Engineering., **University of Engineering & Technology**, Peshawar, Pakistan
CGPA: 3.02/4.00

July 2013 – May 2015
HSSC, **Edwardes College Peshawar**, Peshawar, Pakistan
Pre-Engineering: Grade A

May 2011 – March 2013
SSC, **Fazaia Degree College (Senior Section),** Peshawar, Pakistan
Science Group: Grade A

CERTIFICATES

Data Analytics Course – **Coursera**
Learnt about differentiating between essential and non-essential data.
How to operate Structured Query Language and Excel.
Also allowed me to have a strong command on how to make data driven decisions.

Sharing Data through the Art of Visualisation – **Google Courses**
Gained valuable insight on how to use Rstudio and Tableau.
This course helped me in learning how to make compelling reports with dynamic dashboards and visuals.

Python for Data science, AI and development – **Coursera and IBM**
This course helped me to understand the basic structures prevalent in Python.
The course was meticulously designed by Coursera with the help of IBM to help learners learn the essentials of AI and programming.

CONTACT

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TECHNICAL SKILLS

Python
MATLAB
SQL
RStudio
PV syst
Microsoft Office
Google Docs
Circuit Designing
Arduino Microcontroller
PSpice
Simulink
C++
Proteus
AutoCAD
HVAC

PERSONAL SKILLS

Written and Verbal communication
Document Management
Project Management
Positive attitude
Self-motivation
Multicultural Sensitivity/Awareness
Problem-solving
Data Analysis
Time management
Presentation Skills
Leadership
Adaptability
Creativity
Customer Service
Detail-oriented
Strong work ethic
Quick Learner

EMPLOYMENT HISTORY

July 2023
Paid Intern working In Operations, **Pakistan Tobacco Company,** *Akora Khattak Factory*

- Studied the schematics of all different Systems and proposed solutions to reduce losses.
- Delivered technical reports using Excel and Rstudio regarding cost cutting measures in different departments.
- Learnt about quality systems and gained knowledge of ISO 9001/14001.
- Studied Different motors and gave consultations regarding the improvement of different machine efficiencies.
- Worked with technicians on different HVAC Systems and identified issues in different machines such as compressors.
- Studied the effects of factory machinery on the nearby environment.

May 2022 to March 2023
Data Analyst, **Techease Solutions Limited**

- The company acquired programming projects that required solutions.
- Was responsible for keeping records using MS office and managed databases using SQL.
- Enhanced my skills of python by participating in group projects.
- Produced compelling reports with illustrations for companies that neededto analyse any issue.

October 2021 to April 2022
Quality Control/ Production manager, **A.G.E. Cables, Peshawar**

- Collaborated with design engineers and product specialists to ensure products design requirements are met.
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- Provided reports on how to cut expenses by installing 100KW Solar system.
- Used Matlab and other softwares to create modern and latest schematics of machines.
- Digitilsed their record keeping system. All results of past three years could be found in a database.
- Coordinated and performed inspections of raw materials and finished products.

Aug 2020 – Aug 2021

PROJECTS

- CDG 61 Overcurrent and overload relay (FYP)
- High Voltage Push Pull Converter
- Half Wave Rectifier
- AC To DC converter with multiple outputs.

LANGUAGES

Pashto (Native)
Urdu (Native)
English (Fluent)

Quality Control Engineer, **Rolex Pipes Industry, Peshawar**

- Provided oversight to different projects and implemented modern quality standards.
- Monitored and analyzed operational and manufacturing temperatures were maintained..
- Collaborated with technical team to study different machines and improve their power factor for better results.
- Ensured that workflows, processes, and products comply with safety regulations.

July 2018 – Sept 2018
Intern Engineer, **Peshawar Electric Supply Company 132KV Grid Station,** Peshawar Cantt

- Experience in power and facilities infrastructure industry as well as in Electronic Power Circuit Design.
- Learnt about the working and flaws in power distribution systems of Pakistan.
- Knowledge of maintenance of power systems, diesel generator backup power systems and fire safety systems.
- Steep knowledge of Motor controls, VFD and UPS Backups as well as of charging batteries.
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VOLUNTEER EXPERIENCE

An energetic and skilled volunteer ready to apply his organizational and leadership skills to
the best interest of the organization. Volunteer expertise includes:

- Organized events for Institute of Electrical and Electronics Engineering (IEEE), 2017 - 2019
- Part of organizing The City School Model United Nations, 2017
- Part of innovation to invention summit, 2017