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PERSONAL STATEMENT

A versatile and results-driven professional with a proven track record, aiming to secure a managerial role within a reputable organization. I aspire to leverage my extensive experience and expertise in areas such as SQL query development, data analysis, project planning, and team management to drive excellence and contribute positively to both the company and the broader community.

WORK EXPERIENCE

01/11/2022–Present

Manager Planning & Ops Support Islamabad

PTCL, Islamabad (Pakistan)

- Crafted Copper to FTTH Transformation Plan in Power BI, outlining the fiberization strategy for Islamabad, leading to a 10% increase in network expansion efficiency and precision tracking of copper sunset.
- Managed the Copper Sunset Project within ITR, overseeing the seamless decommissioning of 40 MSAGs, resulting in significant OPEX savings totaling PKR 50 million. Simultaneously, orchestrated the relocation of equipment to more optimal locations, leading to substantial enhancements in operational KPIs and sales performance.
- Created a Network Anomalies Tracker to enhance the accuracy of subscriber to network mapping. This initiative directly contributed to reduced resolution times and more precise tracking of KPIs.
- Designed a Python script for conducting geospatial analysis on polygons deployed in FTTH areas. This script was instrumental in accurately monitoring pending copper to FTTH migrations.

11/2021–10/2022

Senior Engineer (Access NW O&M-Plng & Coord) Islamabad

PTCL, Islamabad (Pakistan)

- Improved regional reporting accuracy with optimized SQL queries in Teradata, achieving a 90% reduction in reporting errors.
- Developed regional and Zonal KPI dashboards in Power BI that enabled precision tracking and monitoring of sales and operational KPI's.
- Managed network Rehabilitation and FTTH deployment projects, delivering 10% (approx. PKR 2M) cost savings under OPEX and CAPEX budgets.
- Creating Python script for bulk NE creation in Maximo. This helped the team in creation of over 40K flash fiber network elements in maximo(system) for further addition in passive hierarchy.

06/2020–10/2021

Assistant Manager (Coordination) Islamabad

PTCL, Islamabad (Pakistan)

- Coordination with departments on NOKIA Motive (Network Analyzer) Pilot Project.
- Accelerated complaint resolution by 40% through the creation of a Python script for web scraping of system stats from NOKIA Motive portal. (Bulk reporting for real time data)
- Executed OPEX and CAPEX projects with 100% quality acceptance and timely capitalization, resulting in a 10% improvement in operational KPI's.

11/2018–05/2020

Assistant Business Manager

PTCL, Islamabad (Pakistan)

- Reduced service request resolution time by 15% through workforce management strategies.
- Led Network Rehabilitation efforts, resulting in a 10% reduction in maintenance costs.
- Increasing Revenue Net by Effective sale strategy.

07/2017–09/2017 Internee Engineer

NESPAK, Islamabad (Pakistan)

- Gained valuable insights into civil and electrical work in industrial buildings
- Contributed to the New Islamabad Airport project, gaining practical experience in real-world projects.

07/2016–09/2016 Internee Engineer

Pakistan Institute of Nuclear Science and Technology (PINSTECH), Islamabad (Pakistan)

The internship at PINSTECH included;

- Executed the implementation of a section of the Control System for the PARR-1 Research Reactor using Siemens S7 series PLC.
- Designed and built a comprehensive Test bench tailored for the PLC.
- Thoroughly verified and simulated a wide array of potential system conditions, ensuring robust performance and reliability.

EDUCATION AND TRAINING

09/2014–07/2018 BS Electrical Engineering

Pakistan Institute of Engineering & Applied Sciences (PIEAS), Islamabad (Pakistan)

CGPA: 3.49 on the scale of 4**Specialization:** Electrical Power

PERSONAL SKILLS

Technical Stack

Data Analytics

Power BI, Tableau

Programming

Python, Java, C++

SAP

(ERP- Project Monitoring, Financial Monitoring and Stock transfers)

SQL

Teradata, MongoDB

Electrical Engineering

Arduino, Multisim, Proteus, PSPICE

Electrical Power

DigSilent, ETAP, PSCAD, PowerWorld, MATLAB

Mechanical Design

Solidworks, Creo

Web development

Flask, Django, React, Nodejs

Documentation

Microsoft Office, Latex

ADDITIONAL INFORMATION

Publications

PGSRET 2018 (Paper Presented) (10-12 September)

Ahsan Waqar, Salman Ahmad, Talha Yahya, Babar Hussain & Muhammad Sarwar. A Communication-less Protection Strategy to Ensure Protection Coordination of Distribution Networks with Embedded DG. In 2018 Power Generation System and Renewable Energy Technologies (PGSRET). ([Paper Link](#))

Certificates

Certificates (Technical & Non-Technical)

- Udemy Microlearning Marathon 2023 (Appreciation Badge)
- The Complete Financial Analyst Course 2023 ([Udemy](#))
- GPON Training (ICT-PTCL Academy Islamabad)
- Handling Customer Churn Training (ICT-PTCL Academy Islamabad)
- Design Thinking Training (ICT-PTCL Academy Islamabad)
- PIEAS National Olympiad 2017 (Management Head)
- Microsoft Office Specialist (2016)
- Caribou Contest 2013 (1st In Pakistan, 96th in the World)