

HAMZA KHALID

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Summary: BI & Data Analytics Professional with **3+** years of expertise delivering innovative BI & analytics solutions across diverse sectors, including **banking, government, oil & gas, logistics, & tourism**. Mastering tools like **Power BI, SQL, Python, Excel, Azure**. Skilled in improving real-time reporting, data literacy, and BI strategy adoption. Currently leading analytics for **3000+** petrol stations, driving a boost in efficiency & mitigating losses with cutting-edge strategies & impactful reporting.

PROFESSIONAL EXPERIENCE

Data Analyst, EG Group (UK)

Dec 2024 - Present

Providing data analytical and visualization solutions for fuel clients.

- Analyzed and monitored fuel inventories across **3000+** petrol stations, identifying theft, leaks, and calibration issues using **SQL** and **Power BI**.
- Building and maintaining **Power BI dashboards** to monitor fuel performance and detect anomalies, improving operational response times by **25%**.
- Integrated best practices in BI strategy, data lineage, and documentation to strengthen data literacy and stakeholder trust.
- Enhancing reporting systems, leading to improvement in identifying anomalies and mitigating financial losses.

Senior BI Consultant (Analytics Division), EY (Pakistan)

Nov 2022 – Nov 2024

Lead transformational data analytics projects to empower clients with actionable insights.

- Implemented **40+** end-to-end **BI** solutions, improving data access speed by **50%** and optimizing report delivery.
- **Automated ETL processes** for datasets over **3M** of data records, reducing processing time by **40%** and facilitating real-time reporting on critical business metrics.
- Developed **predictive analytics models** for data optimization, achieving a **30%** increase in forecast accuracy to support strategic planning initiatives.
- **Led analytics** initiatives for **World Bank** projects (involving over **10 Tier-1 banks**), enhancing the operational efficiency.
- Directly presented **BI** solutions to **100+** stakeholders for grant disbursements, customer behaviors, payments etc.

Business Intelligence Analyst, BLUTECH Consulting (Pakistan)

Aug 2022 - Nov 2022

Provided data analytics and visualization solutions for Tier-1 banking clients.

- Optimized **ETL** and **data integration** processes, increasing data readiness and reporting efficiency by **20%** using **SQL** and **Power BI**.
- Created compelling dashboards to monitor and visualize risk metrics, aiding in strategic risk management initiatives.

Data Automation and Forecasting Intern (Internship), DireKTions (Pakistan)

Feb 2022 - May 2022

Developed SQL-based forecasting models to enhance financial metrics accuracy.

- Enhanced forecasting models using **SQL**, improving accuracy by **15%** and enabling proactive client decision-making.
- Developed and maintained custom **SQL queries** to support time series forecasting models, improving forecasting accuracy for key financial metrics by **15%**.

Data Analyst Intern, Frontier Technology Solutions (Pakistan)

Jan 2021 - Aug 2021

Selected as the sole intern to contribute to an international project due to my strong data analysis skills.

- Automated **data retrieval**, reducing acquisition time by **35%**.
- Contributed to **international BI projects**, reducing reporting time by **50%**.

LEADERSHIP AND EXTRACURRICULARS

- **Academic Excellence** - Dean's list scholar, ranked **4th** in bachelors, awarded postgraduate funding (**50%**)
- **Professional Achievements** - Built **dashboards** that were presented at various **national** and **international forums**, including **COP'28**, showcasing data-driven insights on global platforms. Promoted **twice** in a **two-year** period from **Analyst** to **AM**.
- **Technical Innovation** - Developed and Published a **Python package** for data science and analytics
- **Leadership** - Led cross-functional up to **30** members in academic, corporate and regional level sports.

SKILLS / CERTIFICATIONS

Technical skills: Databases & Data Management (SQL, Data Warehousing, SSIS, SSRS, ETL Processes), Programming Languages (Python, R, C#), BI and Data Visualization (Power BI, DAX, Tableau), Cloud & DevOps (Azure, Git), Data Analytics & Machine Learning (Time-series forecasting, Exploratory Data Analysis, Geo-Spatial Analysis), Scripting & Automation (Selenium, Scrapy, BeautifulSoup), Web Development Frameworks (Flask, Streamlit, HTML/CSS/JavaScript), Microsoft Office (Advanced Excel), Consulting (Requirement gathering, Documentations, Stakeholder management, Problem-solving)

Certifications: EY's Artificial Intelligence academy – A.I. Engineering, EY's Analytics academy – Data Integration

EDUCATION

MSc Data Science, University of Gloucestershire, United Kingdom

Sep 2023 – Sept 2024

Modules include Ethical Data Science, Machine Learning and Optimization, Applied Data Analysis and Research Methods.

- Dissertation: Deep learning applications in cardiac diagnosis through Myocardial Perfusion Imaging.

B.S. Computer Science, Karachi Institute of Economics & Technology (PAF KIET), Pakistan (1st Class)

Jan 2019 - Feb 2023

Relevant Modules include Data Science, AI, Probability and Statistics, Databases and Management and Machine Learning.

- Capstone project (**Ranked in Top 10**): Comprehensive health solution, utilizing data science to build a **multi-disease predictor**, precaution recommender, and informative **dashboard for Pakistan's regions**, all under a supervision of a senior doctor.