Anas Mubeen Edroos

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PROFESSIONAL SUMMARY

Results-driven **Data Analyst** with 2.5+ years' experience in **dashboard development**, **KPI tracking**, **Business Intelligence** and **data automation** using **Power BI, Excel, and Python**. Proven track record in delivering actionable insights, improving operational efficiency, and implementing ISO 19030 performance analytics in **maritime operations**. Skilled in **end-to-end BI solutions** — from **data extraction** to **publishing automated dashboards**. I am passionate about applying **AI, Machine Learning, and Neural Networks** for predictive analytics.

TECHNICAL SKILLS

- **Data Visualization & BI:** Power BI (DAX, Power Query), Excel (Advanced), Tableau.
- **Programming & Analytics:** Python (Pandas, NumPy, Matplotlib), SQL, BigQuery.
- **Data Processing:** Data cleaning, transformation, and automation using Python & Excel.
- **Automation:** Power BI service publishing, scheduled refresh, custom refresh buttons.
- **Reporting:** KPI tracking, rolling averages, before/after maintenance effect analysis.
- **Other Tools**: Git, Google Sheets, MS Office Suite.

PROJECTS

1. Hull Performance & KPI Analytics Dashboards (Power BI, Excel, Python):

- Designed and developed interactive **Power BI dashboards** to monitor vessel fuel consumption, speed loss, and KPI trends, supporting ISO 19030 performance evaluation.
- Integrated **Python-based** preprocessing scripts to calculate 30-day & 90-day rolling averages and before/after maintenance performance metrics (Hull Cleaning, Propeller Polishing).
- Automated data ingestion and transformation from Excel into Power BI, ensuring consistency even with missing or filtered datasets.
- Implemented custom **DAX measures** to dynamically calculate KPIs, speed loss percentages, and maintenance effect markers, enabling real-time decision-making for fleet operations.
- Designed interactive dashboards in Power BI, published them to **Power BI Service**, and **configured auto-refresh** & custom refresh buttons.
- **GitHub Project:** Hull Performance Dashboard

2. Sea Trial & Resistance Analysis Dashboard (Power BI, Excel, Python):

- Consolidated sea trial **datasets** with empirical resistance calculations for multiple vessel drafts.
- Built preprocessing **scripts in Python** for performance comparison between trial and predicted results.
- Created **dynamic dashboards** in Power BI to present findings to management.
- **Automated** data refresh and integrated multiple calculation models for faster analysis.

3. Ongoing Data Analytics & Ad-hoc Reporting (Throughout 2 years):

- Delivered on-demand **KPI** reports, trend analyses, and root cause investigations for operational teams.
- Built quick turnaround dashboards for **management reviews** and **client presentations**.
- Automated repetitive data preparation tasks to reduce reporting time by up to 60%.

WORK EXPERIENCE
1. <u>Data Engineer/Analyst at Zeroqu:</u>
July 2023 – Present
- Developed multiple **interactive dashboards** integrating Power BI, Excel, and Python for maritime performance monitoring.
- Managed **full analytics lifecycle**: data extraction, cleaning, transformation, visualization, and automated publishing.
- Applied statistical techniques and rolling average calculations to track performance trends and maintenance effects.
- Collaborated with stakeholders to define KPIs and ensure dashboards met operational requirements.
  - ➢ **Key Achievements:**
  - **Reduced dashboard refresh time by 60%** through automation.
  - **Improved data accuracy by 15%** via preprocessing scripts in Python.
  - **Delivered insights** that led to optimizing maintenance schedules, reducing operational delays.

CERTIFICATE
- **Google Data Analytics Certificate –** Coursera, 80.00% (2022)

EDUCATION
- **Bachelor's in Mechatronics Engineering –** Mumbai University, 78.75% (2023)
- **Diploma in Mechanical Engineering –** MSBTE, 88.29% (2020)
- **Higher Secondary Certificate/ Class12 –** Mumbai University, 55.00% (2018)
- **Secondary School Certificate/ Class10 –** Mumbai University, 80.00% (2016)

INTERESTS & LEARNING GOALS
- Currently exploring **Artificial Intelligence, Machine Learning, and Neural Networks** for predictive analytics.
- Interested in integrating **ML models** into BI dashboards for advanced decision support.

STRENGTH
- Fast learner with strong adaptability.
- Critical thinking & problem-solving mindset.
- Commitment to accuracy and timely delivery.