



GULZAR AHMED BUTT

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Riyadh

gulzarahmedbutt.com

EDUCATION

Applied Data Science |
Massachusetts Institute of
Technology, Cambridge, MA | Sep
2024 - Dec 2024

**PG Certification - Artificial
Intelligence |** University of
Liverpool, Liverpool | Oct 2023 - Jul
2024

**Bachelor of Engineering (B.E.) -
Software Engineering |** National
Universities of Sciences and
Technology, NUST, Islamabad | Oct
2016 - Jul 2020

SKILLS

- Data Analysis
- Data Visualization
- Machine Learning
- Deep Learning
- Statistical Analysis
- Predictive Modeling
- Big Data Technologies
- Data Mining
- ETL Pipelines
- SQL
- Python
- R
- Power BI
- Tableau
- Data Cleaning
- Data Wrangling
- Geospatial Analysis
- Data Integration
- Natural Language Processing (NLP)
- Artificial Intelligence (AI)
- Business Intelligence
- Dashboard Development
- Time Series Analysis
- Cloud Computing

SUMMARY

Highly skilled data professional with a robust background in data science, data analysis, and data engineering. Proven expertise in translating complex data into actionable insights, enhancing business decision-making processes. Adept at using advanced analytical tools and technologies such as Python, Power BI, SQL, and machine learning to ensure data accuracy and integrity. Demonstrated success in leading and mentoring teams, managing large-scale projects, and developing innovative solutions to support business objectives. Strong communicator capable of bridging the gap between technical teams and end users. Passionate about leveraging data to drive strategic initiatives and improve operational efficiency.

WORK EXPERIENCE

Data Analyst **May 2023 - Present**
Norconsult Telematics, Riyadh

Achievements:

- Spearheaded traffic flow and urban mobility improvement initiatives and leveraging strategic and technical expertise.
 - Executed Routes Analysis, enhancing traffic efficiency by 12%, and conducted Destination Analysis, cutting commute times by 10%.
 - Optimized intersection throughput by 10% through Junction Analysis and minimized traffic disruptions by 12% via Incidents Analysis.
 - Employed Geospatial Data Analysis, integrated TomTom Traffic Data, utilized Power BI and ETL Pipelines to generate actionable insights.
- SCAI (Project Management Analysis)**
- Created a comprehensive Project Management dashboard to facilitate effective progress and milestone analysis for SCAI.
 - Developed five detailed dashboards covering 5K & 5K Expansion, Hajj 1445, Action Tracker, Risk Register, and Inventory Management.
 - Transformed and processed complex datasets from Excel to ensure accuracy and consistency.
 - Enabled seamless data updates directly reflected on dashboards, enhancing decision-making processes.
 - Built a Power BI embedding web application using Python, ensuring seamless report integration into a dedicated web platform.

Associate Analytics Consultant **Nov 2021 - May 2023**
Ascend Healthcare Solutions, Riyadh

Achievements:

- Designed customized Power BI dashboards with M-Query, complex DAX functions, and robust data relationships for the Ministry of Health in partnership with Health Holdco.
- Coordinated with development teams to deliver actionable insights on time, facilitating prompt resolution of issues for RCC/RCU teams.
- Led major projects, including Riyadh First Health Cluster, AI ULA Transformation, and Qassim Cluster, overseeing data alignment, pipeline development, analysis, and Power BI dashboard creation.
- Utilized tools and technologies such as Python, Power BI, SQL, SSIS, MS SQL Server, and REST APIs.

Data Scientist **Sep 2020 - Aug 2021**
Merafuture.pk, Islamabad

Achievements:

- Developed a structure for collecting training data from university students across Pakistan.
- Employed Power BI for data cleansing and enhancement, improving accuracy through outlier removal.
- Developed Random Forest Model to predict future fields based on aptitude, using Python Flask Framework on Google App Engine.

Intern **Jun 2019 - Aug 2019**
XFlow Research, Islamabad

Achievements:

- Gained exposure to various technologies, contributing to the development and deployment of Web Applications on a Cloud Platform.
- Handled tasks using technologies such as Linux Administration, Git and GitHub, GNS3, Python, Virtualization, and Cloud Computing.

LICENSES & CERTIFICATIONS

DP-900 Microsoft Azure Data Fundamentals | 2021
Microsoft - https://www.credly.com/badges/ffdc3e9-4715-49bd-9291-7a2ce91a2a74?source=linked_in_profile