Gorkem Bayar

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Professional Summary

- Data analyst with a background in statistics and actuarial sciences, skilled in Python, Power BI, and SQL. Experienced in optimizing reporting, developing predictive models, and automating workflows to improve accuracy and efficiency. Proficient in ETL, cloud platforms (AWS, Azure), and data visualization, delivering solutions that reduce costs and enhance decision-making. Strong collaborator, refining reporting frameworks and driving business improvements through data-driven insights.

Technical Skills

- **Programming languages:** Python, SQL, DAX
- **Data analysis and visualization tools:** Power BI, Tableau
- **Data management and migration:** ETL, ELT
- **Data Science:** Scikit-Learn, Pandas, NumPy, Mathplotlib
- **Data modeling and governance:** Database schemas, Data mapping
- **Cloud platforms:** Amazon Web Services (AWS), Microsoft Azure
- **Operating Systems:** Windows, Linux

Professional Experience

Jr. Analyst at Canada Revenue Agency   Toronto, ON - (May 2023 - Present)

- Built and maintained advanced Power BI dashboards, improving HR and IT reporting efficiency by 30% and enhancing data accuracy by 25%.
- Applied predictive analytics and statistical modeling to assess project status and resource allocation, reducing project delivery times by 20% and cutting resource costs by 15%.
- Led stakeholder engagement sessions to refine reporting processes, increasing stakeholder satisfaction by 25%.

Jr. Project Officer at Canada Revenue Agency   Toronto, ON - (Sep 2022 – May 2023)

- Conducted quality assurance documentation for business architecture, achieving a 95% compliance rate and reducing project risks by 20%.
- Managed SME contributions for cloud storage implementation, streamlining document management and reducing processing time by 30%.
- Delivered four projects on schedule and within budget, improving cost efficiency by 20%.

Sr. Systems Analyst at Turkish Motor Insurers' Bureau   Istanbul, TR (Apr 2021 – Dec 2021)

- Developed Power BI-driven what-if analyses for insurance and reinsurance ratios, improving data-driven decision-making.
- Led the rollout of MS Planner for workflow tracking, increasing project visibility and team efficiency by 30%.
- Identified process inefficiencies and automated workflows, cutting operational costs by 12%.

Foreign Trade Specialist at Istanbul Exporters' Associations   Istanbul, TR (Jun 2015 – Mar 2021)

- Analyzed national export data using SQL, SAP, and Trade Map, leading to a 25% rise in export sales and a 15% drop in operational costs.
- Partnered with IT teams to implement software solutions, reducing process completion times by 40%.
- Conducted market research and data analysis to guide trade strategies, increasing trade fair participation by 40%.

Projects

Project Name	Description	Tools/Techniques Used
Permanent Residency Admission Dashboard [Link]	An interactive dashboard to discover Express Entry & Permanent Resident admission metrics categorically and by countries.	MS Power BI, MS Fabric, MS Excel, DAX, ETL
Diabetes Analysis with Python [Link]	Analyzing different aspects of Diabetes in the Pima tribe by doing Exploratory Data Analysis (EDA)	Python, numpy, scikit-learn, matplotlib, model training and evaluation
Water Scarcity Around the Globe [Link]	Exploring the global water scarcity and its determinants by countries	Tableau, ETL
HR Analytics for Agriculture and Agri-Food Canada (AAFC)	- Conducted Exploratory Data Analysis (EDA) - Findings influenced AAFC's hiring strategies	Power BI
Predictive Analytics for Insurance Premium Calculation	- Developed a linear regression model to predict insurance premiums	IBM SPSS Modeler

Education

Grad. Certificate in Business Intelligence System Infrastructure at Algonquin College [Web page]

BSc in Actuarial Sciences at Hacettepe University [Web page]

Certificates

- AWS Cloud Practitioner [Link]
- Microsoft Azure Fundamentals [Link]
- Google Analytics – Advanced [Link]