

# Gorkem Bayar

📍 Toronto, ON

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[Portfolio](#)

## Professional Summary

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- Results-driven Data Analyst with a strong foundation in statistics, machine learning, and data analysis. Proven expertise in leveraging advanced analytical tools, machine learning solutions, and data methodologies to drive business growth and inform strategic decisions. Proficient in collaborating with cross-functional teams to deliver data-driven projects and solutions. With a solid background in actuarial sciences and business intelligence, I'm eager to apply my skills in data science to drive business value and insights.

## Technical Skills

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- **Programming languages:** Python, SQL, R
- **Machine learning:** Scikit-learn, TensorFlow, NumPy, Pandas
- **Data analysis and visualization tools:** Power BI, Tableau, Matplotlib, Seaborn
- **Data management and migration:** ETL, ELT, Data Warehousing
- **Cloud platforms:** Amazon Web Services (AWS), Microsoft Azure, Google Cloud Platform (GCP)
- **Operating Systems:** Windows, Linux, macOS
- **Data modeling and governance:** Data mapping, data mining, data quality, data architecture

## Education

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### Grad. Certificate in Business Intelligence System Infrastructure at Algonquin College (2022)

- Capstone project: Conducted Exploratory Data Analysis (EDA) using Power BI, findings that influenced Agriculture and Agri-Food Canada's (AAFC) hiring strategies.

### BSc in Actuarial Sciences at Hacettepe University (2013)

- Capstone project: Predictive analytics with SPSS Modeler - linear regression to calculate insurance premiums.

## Professional Experience

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### Jr. Analyst at Canada Revenue Agency

Toronto, ON - (2023/05 - Present)

- Developed and maintained advanced Power BI dashboards, utilizing data visualization, data cleaning, and ETL skills to streamline and optimize HR and IT reporting processes, resulting in a 30% reduction in reporting time and a 25% increase in data accuracy.
- Conducted comprehensive data analysis, applying predictive analytics and statistical modeling techniques to inform strategic decisions regarding project statuses and resource utilization, which led to a 20% improvement in project delivery times and a 15% reduction in resource costs.
- Facilitated stakeholder engagement sessions, leveraging communication and interpersonal skills to capture and address data reporting needs, improving stakeholder satisfaction by 25%.

### Jr. Project Officer at Canada Revenue Agency

Toronto, ON - (2022/09 – 2023/05)

- Executed quality assurance for business architecture documentation, ensuring project accuracy and compliance, and utilizing data governance and documentation review skills, which resulted in a 95% compliance rate and a 20% reduction in project risks.
- Successfully delivered 4 projects on time and within budget constraints, showcasing project planning, resource allocation, and project management skills, with a 100% project success rate and a 20% reduction in project costs.

### Sr. Systems Analyst at Turkish Motor Insurers' Bureau (TMTB)

Istanbul, TR (2021/04 – 2021/12)

Company Summary: TMTB oversees motor insurance regulation in Turkey, coordinating with insurers to manage policyholder rights and data.

- Designed and implemented what-if analysis for insurance/reinsurance ratios of companies in a Power BI dashboard.
- Led the implementation of Microsoft Planner for workflow management, improving project tracking and team productivity by 30%, and enhancing collaboration and communication among team members.

#### Foreign Trade Specialist at Istanbul Exporters' Associations

Istanbul, TR (2016/05 – 2021/03)

- Analyzed national export data using SQL, SAP, and Trade Map, producing insightful reports for stakeholders, and applying data analysis, data visualization, and business intelligence skills. This resulted in a 25% increase in export sales and a 15% reduction in operational costs.
- Collaborated with IT to deploy software solutions, enhancing operational efficiency, and applying process improvement, technical collaboration, and problem-solving skills. This led to a 40% reduction in completion times and a 20% increase in user satisfaction.

#### Projects

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- [Exploratory Data Analysis and Model Training](#) | Python, numpy, scikit-learn, matplotlib, model training
- [Permanent Residency admission dashboard](#) | Power BI, Fabric, ETL
- [Visualizing global water scarcity](#) | Tableau, data prep, ETL