

Fırat OLÇUM

DATA ANALYST

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SUMMARY

A certified **Data Analyst** and **Project Manager** with over 4 years of experience in IT, specializing in leveraging data-driven insights to drive business success. Proficient in computational techniques, data analysis, data manipulation, visualization, predictive modeling, statistical analysis, machine learning, and business intelligence. Skilled in data extraction and analysis using **Python** libraries such as BeautifulSoup, NumPy, Pandas, Scikit-Learn, SciPy, Matplotlib, Seaborn, and Plotly. Experienced in **SQL**, database modeling, database management systems (DBMS), and **Power BI**. Adept at presenting complex analytical results in clear, actionable terms to support strategic decision-making and organizational growth.

WORK EXPERIENCE

Mega Metal – Data & Business Intelligence Analyst, Istanbul, Turkey May 2025 – Present

- Developed and maintained interactive Power BI dashboards that provided insights into key business metrics, leading to improved decision-making for stakeholders across departments.
- Used **Power Query** and **DAX** to clean, transform, and analyze complex data sets, enabling in-depth analysis and visualization for non-technical users.

Vitabiotics – Data Analyst, Istanbul, Turkey Jun. 2024 – May 2025

- Managing daily, weekly, and monthly sales and visit performance reports for a team of 20 sales personnel using SQL Server, Python, and Excel.
- Calculating monthly bonus entitlements based on performance metrics and automated reporting processes using Power Query in Excel.
- Providing real-time reports to management upon request, delivering data-driven insights to support business decisions.
- Streamlined data processing by optimizing SQL Server Integration Services(SSIS) workflows, resulting in a **40% reduction** in data loading times.
- Conducted data modeling and visualization in Power BI, enabling managers to monitor key performance indicators (KPIs) in real-time.

Woongjin – Data Analyst, Istanbul, Turkey Oct. 2022 – Jun. 2024

- Extracted, processed, and analyzed complex datasets using visualization, and analytics tools.
- Collected and cleaned data with MS SQL Server using advanced queries and processed large datasets with Python.
- **Reduced company expenses by 21%** as a result of the analyzes carried out.
- Implemented a new CRM with reporting capabilities. **Cut costs by 15%** and improved efficiency.

The Ministry of National Defense – Project Manager, Ankara, Turkey Sep. 2014 – Dec. 2017

- Developed the Basic Performance Indicators to monitor the physical performance of the personnel and increased their performance by **41% in 2 months** by analyzing their physical characteristics.
- Used SQL, Excel, Word, and PowerPoint for about 3 years.

PROJECTS

- **Car Price Prediction Exploratory Data Analysis (EDA) and Machine Learning Project (Including Model Deployment with Streamlit and AWS EC2):** Building a price prediction model using features of cars such as make & model and body type. **Skills:** Data Cleaning, Data Wrangling, Feature Engineering and Analysis, Pandas, Seaborn, Sklearn, Streamlit
- **E-Commerce Data Profitability Analysis:** Creating a dashboard to focus on expanding profitable sub-categories and continuing trends in profitability. **Skills:** Power BI
- **State-Level COVID-19 Analysis of the United States of America:** Creating a dashboard to track COVID-19 cases in the United States. **Skills:** Tableau.
- **E-Commerce and Customer Retention Project:** Analysis of the sales and delivery system of an E-Commerce Company. **Skills:** SQL
- **E-University Database Management System (DBMS) Project:** An example university registration data model and database. **Skills:** SQL
- **Customer Segmentation Clustering:** Segmentation of customers using unsupervised data. **Skills:** K-means Clustering, RFM Analysis, Cohort Analysis, 3D Visualization.
- **Employee Churn Machine Learning Project:** Predicting churn employee status using several features. **Skills:** Cluster Analysis, K-Nearest Neighbors (KNN), Random Forest, Gradient Boosting.

(These projects and more can be reached at my [GitHub](#) and [Portfolio](#) pages.)

EDUCATION

Big Data and Business Analytics: Istanbul Technical University – MSc.	Feb. 2024 – Now
Data Analytics: Clarusway IT School – Virginia, USA, Bootcamp	Dec. 2021 – Aug. 2022
Web Design and Coding: Anadolu University, Eskişehir, Associate	Sep. 2020 – Sep. 2022
Systems Engineer: National Defense University, Ankara, Bachelor	Sep. 2010 – Aug. 2014

CERTIFICATIONS

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| • Data Scientist: Analytics Specialist Career Path, Codecademy | Sep. 2022 |
| • Data Analytics Module, Clarusway | Aug. 2022 |
| • Data Visualization with Tableau Course, Clarusway | July 2022 |
| • IBM Data Analyst Professional Certificate, IBM&Coursera | June 2022 |
| • Python for Everybody, University of Michigan&Coursera | Mar. 2022 |

(These certificates and more can be reached at my [LinkedIn](#) and [Portfolio](#) pages.)

TECHNICAL SKILLS

Data Analysis & Visualization | Machine Learning | Supervised Learning | Business Intelligence | Statistical Analysis | Python | NumPy | Pandas | Scikit-Learn | SciPy | Matplotlib | Seaborn | MS SQL Server | DBMS | Tableau | Power BI | GitHub | MS Excel | AWS EC2 | AWS S3 | Streamlit

SOFT SKILLS

Problem Solving | Attention to Detail | Time Management | Critical Thinking | Communication | Collaboration | Teamwork | Confidence | Self-motivation | Analytical | Lifelong Learner | Passion | Result-oriented | Adaptability | Engaged | Innovation | Perseverance

LANGUAGE COMPETENCIES

Turkish: Native | **English:** Advanced