

# Samet Temurcin

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## EDUCATION

**Northeastern University** Boston, MA Expected Jan 2027

Master of Science in Data Analytics Engineering

Coursework: Foundations for Data Analytics Engineering, Data Management for Analytics, Computation and Visualization for Analytics, Data Mining in Engineering

**Gaziantep University** Gaziantep, Turkey Sept 2015-Jun 2019

Bachelor of Engineering in Industrial Engineering

Coursework: Computer Programming, Introduction to Probability, Introduction to Statistics, Engineering Economy and Cost Analysis

## TECHNICAL SKILLS

**Programming & Development:** Python (pandas, NumPy, scikit-learn), SQL (MySQL, PostgreSQL), MongoDB (NoSQL), Neo4j (Cypher)

**Data Analytics & Machine Learning:** Statistical Analysis, Predictive Modeling, Data Mining, Machine Learning, Clustering (K-means), Classification, A/B Testing

**Business Intelligence & Visualization:** Tableau, Power BI, Matplotlib, Seaborn, Dashboard Development

**Data Management:** ETL, Data Pipelines, Database Design, Data Modeling, Data Warehousing

**Tools & Platforms:** Jupyter Notebook, Excel (Advanced)

**Certificates:** Introduction to Data Science and Artificial Intelligence, Data Analytics Bootcamp

## WORK EXPERIENCE

Miuul - Remote Nov 2023-Feb 2024

**Data Analyst Bootcamp Participant** | Python, SQL, Scikit-learn, Tableau, Machine Learning, Statistical Analysis

- Analyzed customer behavior patterns and market trends using Python and SQL to inform strategic decisions for sales leadership
- Developed and deployed machine learning models using scikit-learn (logistic regression, decision trees) for customer behavior analytics and churn prediction, improving retention rates by 15% and identifying key churn drivers with 85% accuracy
- Built interactive Tableau dashboards to visualize KPIs and communicate analytical insights to cross-functional stakeholders

Elmas Enterprise - Boston, MA Sept 2022-May 2023

**Data Analyst Intern** | K-means Clustering, ETL Automation, Route Optimization, SQL, Python, Power BI

- Engineered data pipelines using SQL and Python to analyze delivery datasets, creating route optimization models that reduced delivery distances by 10% and generated substantial fuel savings through Power BI dashboard visualization
- Applied k-means clustering algorithm using Python (scikit-learn) and customer segmentation techniques to cleaned datasets for targeted marketing campaigns, driving 5% sales increase and 8% improvement in customer loyalty
- Automated ETL processes for data extraction from legacy systems, reducing manual data processing time by 40% and improving data quality

Rapsodi Chocolate Candy and Food Co. - Gaziantep, Turkey Jun 2018 - Sept 2018

**Operations Analytics Intern** | Excel, Statistical Analysis, Predictive Analytics, Time Series Forecasting, Python

- Analyzed manufacturing equipment performance data using statistical methods in Excel and Python to identify packaging line bottlenecks, improving operational efficiency and increasing throughput by 12%
- Applied predictive analytics and forecasting techniques using Python to optimize inventory levels, contributing to 8% reduction in holding costs

## PROJECTS

**Boston CityScore Performance Analysis** Northeastern University | Excel, Statistical Analysis, Predictive Analytics, Forecasting, Python

- Analyzed Boston's municipal performance data using Python (pandas, NumPy) to identify operational bottlenecks across 15+ city services, revealing library usage 74% above target while sign installation critically delayed at 42% on-time rate
- Built interactive Tableau dashboard validating insights against official city metrics, enabling data driven recommendations for resource allocation in underperforming departments (streetlight repairs, pothole management)

**Optimizing Direct Sales with Database Management** Northeastern University | MySQL, Neo4j, Matplotlib, Seaborn, Database Design, Python

- Designed EER and UML diagrams, developed Python automation scripts for synthetic data generation and analytical queries, and created data visualizations using Matplotlib and Seaborn
- Reduced data redundancy and errors, improved agent and order tracking, and established scalable architecture for role-based cloud integration

**Digitally Aligning with the Customers** Data Analytics Bootcamp | Machine Learning, Tableau, RFM Analysis, Statistical Testing, SQL, Python

- Performed customer segmentation through RFM analysis and machine learning to predict lifetime value and identify churn risks through comprehensive Sales dataset preparation
- Developed product recommendation system and sales forecasting models using SQL and Python, while creating interactive dashboards and conducting statistical hypothesis testing to generate actionable business insights across multiple customer channels