

# Samet Temurcin

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## EDUCATION

<b>Northeastern University</b> Boston, MA 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	Expected Jan 2027
<b>Gaziantep University</b> Gaziantep, Turkey Bachelor of Engineering in Industrial Engineering Coursework: Computer Programming, Introduction to Probability, Introduction to Statistics, Engineering Economy and Cost Analysis	Sept 2015-Jun 2019

## TECHNICAL SKILLS

<b>Programming &amp; Development:</b> Python (pandas, NumPy, scikit-learn), SQL (MySQL, PostgreSQL), MongoDB (NoSQL), Neo4j (Cypher)
<b>Data Analytics &amp; Machine Learning:</b> Statistical Analysis, Predictive Modeling, Data Mining, Machine Learning, Clustering (K-means), Classification, A/B Testing
<b>Business Intelligence &amp; Visualization:</b> Tableau, Power BI, Matplotlib, Seaborn, Dashboard Development
<b>Data Management:</b> ETL, Data Pipelines, Database Design, Data Modeling, Data Warehousing
<b>Tools &amp; Platforms:</b> Jupyter Notebook, Excel (Advanced)
<b>Certificates:</b> Introduction to Data Science and Artificial Intelligence, Data Analytics Bootcamp

## WORK EXPERIENCE

Miuul - Remote <b>Data Analyst Bootcamp Participant</b>   Python, SQL, Scikit-learn, Tableau, Machine Learning, Statistical Analysis	Nov 2023-Feb 2024
<ul style="list-style-type: none"><li>Analyzed customer behavior patterns and market trends using Python and SQL to inform strategic decisions for sales leadership</li><li>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</li><li>Built interactive Tableau dashboards to visualize KPIs and communicate analytical insights to cross-functional stakeholders</li></ul>	
Elmas Enterprise - Boston, MA <b>Data Analyst Intern</b>   K-means Clustering, ETL Automation, Route Optimization, SQL, Python, Power BI	Sept 2022-May 2023
<ul style="list-style-type: none"><li>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</li><li>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</li><li>Automated ETL processes for data extraction from legacy systems, reducing manual data processing time by 40% and improving data quality</li></ul>	
Rapsodi Chocolate Candy and Food Co. - Gaziantep, Turkey <b>Operations Analytics Intern</b>   Excel, Statistical Analysis, Predictive Analytics, Time Series Forecasting, Python	Jun 2018 - Sept 2018
<ul style="list-style-type: none"><li>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%</li><li>Applied predictive analytics and forecasting techniques using Python to optimize inventory levels, contributing to 8% reduction in holding costs</li></ul>	

## PROJECTS

<b>Boston CityScore Performance Analysis</b> Northeastern University   Excel, Statistical Analysis, Predictive Analytics, Forecasting, Python
<ul style="list-style-type: none"><li>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</li><li>Built interactive Tableau dashboard validating insights against official city metrics, enabling data driven recommendations for resource allocation in underperforming departments (streetlight repairs, pothole management)</li></ul>
<b>Optimizing Direct Sales with Database Management</b> Northeastern University   MySQL, Neo4j, Matplotlib, Seaborn, Database Design, Python
<ul style="list-style-type: none"><li>Designed EER and UML diagrams, developed Python automation scripts for synthetic data generation and analytical queries, and created data visualizations using Matplotlib and Seaborn</li><li>Reduced data redundancy and errors, improved agent and order tracking, and established scalable architecture for role-based cloud integration</li></ul>
<b>Digital Alignment with Customers</b> Data Analytics Bootcamp   Machine Learning, Tableau, RFM Analysis, Statistical Testing, SQL, Python
<ul style="list-style-type: none"><li>Performed customer segmentation through RFM analysis and machine learning to predict lifetime value and identify churn risks through comprehensive Sales dataset preparation</li><li>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</li></ul>