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 | 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 | 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