

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, Deep Learning for AI

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, R, SQL (MySQL, PostgreSQL), NoSQL (MongoDB, Neo4j/Cypher), Data Structures & Algorithms

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, Streamlit, Dashboard Development, Interactive Analytics

Data Management: ETL, Data Pipelines, Database Design, EER/UML Modeling, Data Modeling, Data Warehousing

Tools & Platforms: Jupyter Notebook, Excel (Advanced)

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

EXPERIENCE

Miuul - Remote Nov 2023-Feb 2024

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

- Performed statistical and exploratory data analysis on 50,000+ customer records using Python and SQL, identifying behavioral patterns and trends that informed pricing and promotional strategies for business leadership
- Built predictive models using logistic regression and decision trees to forecast customer churn with 85% accuracy, translating analytical findings into actionable retention strategies that improved retention by 15%
- Developed executive-level Tableau/PowerBI dashboards tracking KPIs across marketing, sales, and customer service teams, effectively communicating insights to cross-functional stakeholders and enabling data-driven decision-making

Elmas Enterprise - Boston, MA Sept 2022-May 2023

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

- Created interactive Power BI dashboards visualizing operational metrics and cost savings, presenting key findings to management and supporting strategic decision-making across departments
- Analyzed delivery and customer transaction data using statistical methods, identifying opportunities for process improvement that resulted in 10% distance reduction and 5% sales increase
- Gathered and cleaned data from legacy systems using SQL and Python, ensuring accuracy and consistency while reducing manual processing time by 40%

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

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

- Performed exploratory data analysis on production equipment performance using Excel and Python, identifying bottlenecks and presenting insights that led to 12% throughput improvement
- Built inventory forecasting model using time series analysis, providing recommendations that optimized stock levels and reduced holding costs by 8%

PROJECTS

U.S. Housing Market Time Series Platform (2005-2025) | Python, Tableau, Statistical Analysis, API Integration

- Built automated data pipeline extracting 20 years of monthly housing data from FRED and Census APIs across 4 U.S. regions, implementing data quality checks to ensure 95%+ accuracy
- Developed comprehensive Tableau platform analyzing 15+ housing market indicators including sales volume, median prices, mortgage rates, and construction data, revealing correlations between economic factors and market trends

E-Commerce Customer Analytics & Churn Prediction Platform | Python, SQL, Power BI, Machine Learning

- Engineered end-to-end analytics pipeline processing 93K orders from 17.81K customers across 5 channels (Offline, Mobile, Android/iOS Apps, Desktop), generating \$13.85M in revenue insights with automated data validation ensuring 98%+ data quality
- Developed machine learning churn prediction model identifying 3,830 at-risk customers and implemented RFM segmentation analysis revealing top revenue segment (Activesport: 37.37% of orders) and high-value customer cohorts with basket sizes averaging \$152.54
- Built Power BI dashboards performing time series analysis across 5 sales channels (Offline: 34.3%, Android App: 32.1%) to identify seasonal patterns and develop sales forecasting models, and created product recommendation system analyzing cross-purchase behavior across 4 product categories to optimize inventory management and marketing allocation

Los Angeles County Socioeconomic Data Warehouse | Python, SQL, Streamlit, Data Preparation

- Designed data warehouse processing Census data for 274 zip codes covering 5M+ residents, implementing efficient data structures for analysis and reporting
- Built Python ETL pipeline with automated data extraction, cleaning, and validation processes ensuring data accuracy and consistency across demographic and economic metrics