

## EDUCATION

- **Master of Science in Business Analytics – University of New Haven – New Haven, CT**
- **Majors: Business Analytics, Data Analytics**
- **Master of Science in Finance – International University of Sarajevo – Sarajevo, BiH**
  - Concentration: Evaluation of Banking Sector : [Here](#)

## TECHNICAL SKILLS

- **Data Analysis & Machine Learning:** Python, R, Microsoft Excel, Azure AutoML, Google Cloud Platform (Vertex AI Studio, AutoML, BigQuery ML), TensorFlow (basic)
- **Data Visualization:** Power BI, Tableau, R Shiny, Looker Studio (Google Cloud)
- **Database Management:** SQL, Google BigQuery, Data Warehousing (Star/Snowflake Schemas), OLAP, SSMS, SSRS, SSIS, ETL Processes
- **Other Tools:** Microsoft Office Suit, Google Vertex AI Studio, Google Gemini, Google Big Query, Prompt Engineering

## PROJECTS

### **PORT AUTHORITY PROJECT: TRAFFIC ON BRIDGES AND TUNNELS – New Haven, CT** **January 2025 – May 2025**

- Predicted traffic volume and peak congestion across bridges and tunnels using Time Series Forecasting models built in Azure AutoML, enabling better traffic planning and incident response
- Designed Power BI dashboards to visualize toll violations, peak travel patterns, and the impact of holidays/events on traffic

### **CORPAY PROJECT: REVENUE GROWTH AND CROSS-SELL STRATEGY ENHANCEMENT – New Haven, CT** **January 2024 – May 2024**

- Analyzed Corpay's customer data to support strategic cross-sell initiatives by developing an eligibility model for personalized promotional offers
- Designed a relational data model in SQL Server with 20+ entities and processed billions of rows using SQL and SSIS ETL pipelines
- Applied machine learning techniques (e.g., Logistic Regression, Random Forest, K-Means) to uncover customer insights; visualized findings using Power BI and Tableau

### **BUSINESS ANALYTIC CAPSTONE – New Haven, CT** **January 2025 – May 2025**

- Built and optimized 12 models (regression, classification, forecasting) using Azure AutoML with customized hyperparameters for maximum predictive accuracy
- Used Google Vertex AI & Gemini for LLM-based prompt engineering, multimodal RAG, and image classification with AutoML Vision
- Managed BigQuery pipelines, engineered features, and deployed models using BigQueryML and Vertex AI Studio

### **GERMAN CREDIT PREDICTION MODEL – New Haven, CT** **August 2025 – December 2025**

- Built and compared GLM, Random Forest, and RPart models; created a custom ensemble with voting logic
- Benchmarked against SuperLearner ensemble and visualized accuracy metrics in R

### **DIVORCE PREDICTION USING DATA MINING TECHNIQUES – New Haven, CT**

**August 2025 – December 2025**

- Predicted divorce risk from survey data using LASSO, One-R, and Fast & Frugal Trees
- Presented results in a **Quarto report with clear explanations and code.**

### **PHARMA SALES DATA VISUALIZATION AND FORECASTING - POWER BI**

**August 2025 – December 2025**

- Cleaned and modeled 6 years of pharmaceutical sales data, building relationships across time-based tables and 30+ drug categories.
- Created 10+ custom DAX measures and interactive dashboards to analyze trends, top-selling products, and monthly

### **COURSE TRAINING MANAGER- KODLAND – Adana, TR**

**01/23/2021 - 20/07/2023**

- Presented trial programming lessons to parents and children, designing exercises to build essential modern skills
- Assessed individual needs and recommended programs in Python, Scratch, and Roblox
- Supported strategic development of programs aligned with educational and industry goals