

# NAWAZISH K S M

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## EDUCATION

### Syracuse University

Aug 2023 – May 2025

*Master of Science in Applied Data Science*

*Syracuse, NY, USA*

Coursework: Machine Learning, Big Data Analytics, Financial Analytics, Accounting Analytics, Data Analysis for Decision Making, Quantitative Reasoning, Business Analytics, Responsible AI, Database Management

## EXPERIENCE

### Aptean

Mar 2022 – Sep 2023

*Data Strategy*

*Bangalore, KA, IN*

- Optimized SQL ETL pipelines, cutting processing time by 6% and ensuring data integrity for 10M records
- Introduced PowerBI to streamline reporting systems, driving a 4% increase in revenue
- Analyzed sales data for two product lines, using DAX in Power BI, Window Functions, Views and CTEs in SQL, delivering trend and forecast reports to internal business partners
- Integrated machine learning algorithms into the warehousing software, enabling predictive analytics for inventory management and improving stock forecasting accuracy by 6%

### BrainOVision

Jun 2021 – Dec 2021

*Data Analytics Associate*

*Hyderabad, TS, IN*

- Developed a data-driven web architecture using Google Firebase to track and analyze user behavior across platforms, optimizing interactions and synchronizing real-time data, which improved user retention by 15%.
- Developed an A/B Testing model using SciPy and Statsmodels to optimize product icon placement on the home page of client websites, resulting in an average of 10% increase in page clicks
- Automated data processing workflows that streamlined data input validation and storage, reducing manual error rates by 20% and enhancing system stability.

### Interaktive.io

Jan 2021 – Jun 2021

*Smart Contract and Data Intern*

*Coimbatore, TN, IN*

- Engineered and deployed a pipeline for NFT smart contract generation, leveraging Solidity and Rust, reducing deployment time by 15% while ensuring robust data security.

## PROJECTS

### HnM Fashion Recommendation System | *Resnet*

Oct 2024 – Dec 2024

- Deployed real-time recommendation pipelines with TensorFlow, doubling click-through rates for users
- Engineered a Two-Tower deep learning model integrating multimodal data (text, visuals), enhancing recommendation accuracy by 12%

### Price Elasticity Modeling and Optimization | *PySpark, SciPy Optimizers*

Oct 2024 – Dec 2024

- Designed a non-linear Price Elasticity Modeling solution for a shoe manufacturer using PySpark for modeling and SciPy for optimization to determine optimal shoe pricing, increasing sales volume by 1.6%
- Optimized the PySpark model using L-BFGS-B and SLSQP methods in SciPy, increasing revenue by 4%

### Predicting Options Price (Machine Learning) | *SQL, Python*

Jan 2024 – May 2024

- Exhibited and categorized how each algorithm could predict the close price of a call option at the end of the week

### Farm2Fork (Database Systems) | *PySpark, SciPy Optimizers*

Sep 2023 – Dec 2023

- Built a Microsoft PowerApps-based application helping farmers, grocers, and suppliers track inventory across the supply chain for better visibility and pricing standards

## SKILLS

**Programming Languages and Data Visualization:** Python, R, SQL, Spark, Tableau, Looker, Power BI

**Cloud and Database Management:** Snowflake, Docker, dbt, Hadoop, AWS, Microsoft Azure, Databricks, BigQuery

**Libraries :** Scikit-Learn, Tensorflow, Keras, PyTorch, Plotly, Streamlit, Statsmodels, Spacy, NLTK, SciPy, Shiny, Caret

**Modeling:** Regression, Classification, Clustering, Anomaly Detection, NLP, Deep Learning, Forecasting, Generative AI

**Optimization and Analysis:** Forecasting, A/B Testing, Hypothesis Testing, ANOVA, Time Series Analysis

## LEADERSHIP

- Served as the Lead Smart Contract Consultant for Interaktive.io