

S M NAWAZISH "NAZ" KHALANDER

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Education

Syracuse University

Masters of Science, Applied Data Science

Aug 2023 - May 2025

Skills

Data Science & Analytics:

Machine Learning: TensorFlow, Keras, Scikit-learn, XGBoost, PyTorch, HuggingFace, LangChain

Data Analytics & Visualization: Tableau, Power BI, Pandas, Matplotlib, Seaborn

Statistical Modeling: Regression (Linear, Logistic), Time Series (ARIMA), Decision Trees, Gradient Boosting

Data Mining & Cleaning: Numpy, Pandas, SpaCy, OpenCV, ETL

AI & Automation & Big Data & Cloud Technologies:

Cloud: AWS (S3, EC2, Lambda), Google Cloud, Microsoft Azure

Data Processing: Hadoop, Spark, Docker, Kubernetes

Database Management: MongoDB, MySQL, OracleDB, SSMS

Natural Language Processing: SpaCy, HuggingFace, NLTK

Automation & Scripting: Selenium, REST APIs, CI/CD

Tools & Development: Git, Jira, Streamlit, Flask, Django, Spring Boot, VS Code, PyCharm, IntelliJ, Google Firebase, Docker

Work Experience

Aptean, Data Analyst, India

Mar 2022 - Sep 2023

(Tech Stack: CSharp, SSMS, PowerBI, Android Studio, SQL, Powershell, Python)

- **Optimized** SQL ETL pipelines, **cutting processing time** by 6% and **ensuring data integrity** for 10M records
- **Automated** high-priority **data extraction**, reducing response time for critical reports by **12.68%**
- **Introduced** advanced analytical tools (**PowerBI, Excel Solver**) to streamline reporting systems, driving a **4%** increase in revenue
- **Integrated machine learning** algorithms into the warehousing software, **enabling predictive analytics** for inventory management and **improving stock forecasting** accuracy by 6%
- **Designed** data pipelines, enabling seamless cross-platform flow and **improving** system responsiveness **by 18%**

BrainOVision, Data Analyst, India

Jun 2021 - Aug 2021

(Tech Stack: Python, HTML, CSS, JavaScript, Google Firebase)

- **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%**.
- **Automated data processing workflows** that streamlined data input validation and storage, reducing manual error rates by 20% and enhancing system stability.

INTERAKTIVE.io, Data Systems Engineer, India

Jan 2021 - May 2021

(Tech Stack: Solidity, Cairo, Rust, Google Firebase, Remix-Ethereum)

- **Designed and deployed data-centric web solutions** using Solidity and Rust, enhancing the user experience through improved site performance and **data processing**, increasing user engagement by 12%.
- **Implemented real-time data synchronization** across multiple platforms using Google Firebase, ensuring secure and scalable **data handling** for web and mobile applications.

Projects

Predicting Options Price

Jan 2021 – May 2024

- **Exhibited** and **categorized** how **each algorithm** could **predict** the **close price** of a **call option** at the end of the week
- **Enabled** traders and investors to make **data-driven decisions**, **optimizing** their option **strategies** for maximum profitability
- **Delivered** valuable **insights** to shareholders by **improving forecasting** accuracy, ultimately **reducing** financial **risks** and enhancing portfolio performance

Farm2Fork

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
- Improved **data transparency** and flow, **optimizing supply chain** efficiency and reducing discrepancies in inventory, ultimately leading to better pricing and resource management

Time Series Analysis of ARIMA Algorithm on Stock Data

Jan 2022 – Mar 2022

- **Presented** a post-COVID **forecast** of the **Nifty50** and the **S&P 500** markets to predict **future market movement**