Adit Nuwal

Data Analyst | an238@njit.edu | 9297889500 | NJ

EDUCATION

NJIT **Expected Graduation: May 2026**

Bachelor's in CS Current GPA: **3.79**

Honors: dEAN

PROFESSIONAL SUMMARY

Data and AI driven individual with strong analytical skills and hands-on experience in exploratory data analysis, optimizing SQL queries and creating dashboards to drive data driven decisions.

WORK EXPERIENCE

NJIT | *Data Analyst* **Sep 2025 – Present**

- Built a Python & Azure SQL data pipeline to ingest, clean and perform SQL transformation for 800K+ survey records
- Optimized complex SQL queries and data models (joins, filtering, indexing) to reduce query latency and improve ETL efficiency across 5+ large datasets
- Gathered business needs from stakeholders & collaborated with team members to design Power BI dashboards that track 10+ KPIs to present to NJIT leadership and support strategic decision
- making

NJIT | *Research Assistant* **Jul 2025 – Aug 2025**

- Built ETL pipelines using Pandas and SQL to clean, standardize and resolve data inconsistencies for 1M+ chemical records
- Tested and implemented new scalable data access systems using 8+ APIs, ensuring functionality aligned with requirements
- Documented system functionality, data flows, reproducibility steps and changes made to present weekly progress reports

PROJECTS

Data Analysis and Prediction App | *Python,Dash,Plotly,Pandas,NumPy,Scikit-learn,Tableau* | **GitHub**

- Built multiple predictive models (Linear Regression, KNN, Random Forest) to boost accuracy by 16% and increase in R^2 of 0.758 to 0.8792 for reliable insurance cost predictions
- Engineered an end
- to
- end data pipeline using Python, Pandas, Scikit
- learn and Dash to clean, preprocess and model records and deployed an interactive app to enable prediction of insurance charges that reduced manual analysis time by 50%

Data Breach Analysis Machine Learning Tool – Cybersecurity |
MongoDB,Express.js,React,Node.js,Python,Pandas,NumPy,Scikit-learn,TensorFlow,Keras,Matplotlib,Seaborn,REST API | **GitHub**

- Created a full stack data breach analysis tool with MERN stack and Python, analyzing 13M+ records from 300+ breaches via secure REST APIs with predictive Deep Neural Network model having 85% accuracy
- Built frontend dashboards to visualize results with Matplotlib and Seaborn that reveal trends, distributions and top impacted organizations to assess risk severity and support data
- driven security decisions

ADDITIONAL INFORMATION

English

Communication

C++

Python

SQL