ADIT NUWAL

Data Analyst

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PROFESSIONAL SUMMARY

1+ year of experience in analyzing and managing large datasets, leveraging Python, SQL, and big data tools. Passionate about building scalable data transformation workflows and optimizing SQL queries, with a focus on AI/ML, schema design, and cloud platforms (AWS, Hadoop, Spark). Seeking to apply expertise in machine learning and data analysis to contribute to the development of cutting-edge GenAI platforms and LLM-powered applications.

PROFESSIONAL EXPERIENCE

Office of Institutional Effectiveness, NJIT **Aug 2025 – Present**

Data Analyst

- Engineered a Python & Azure SQL data pipeline to ingest, clean, and transform over 800K survey records, enhancing data processing efficiency by 30%. Optimized complex SQL queries and data models (joins, filtering, indexing), reducing query latency by 40% and improving ETL efficiency across 5+ large datasets. Collaborated with stakeholders to design Power BI dashboards that tracked 10+ KPIs, providing actionable insights to NJIT leadership and supporting strategic decision-making, which led to a 15% improvement in resource allocation efficiency.

Bonzai Digital **May 2024 – Jun 2024**

Backend Development Intern

- Implemented REST APIs with Kotlin and Spring Boot for direct file uploads to AWS S3 using presigned URLs, creating scalable data ingestion pipelines that improved backend throughput by 25% and reduced response times. Debugged Kotlin code by analyzing API response calls and network traffic using Postman and browser developer tools, resolving a critical backend issue and achieving a 100% reduction in error rate in collaboration with the product team. Optimized AWS Lambda functions using Serverless to extract S3 object metadata and replicate data from S3 to PostgreSQL, strengthening data availability for downstream analytics under Agile and CI/CD practices, reducing data retrieval time by 20%.

Ying Wu College of Computing, NJIT **Dec 2023**

Teaching Assistant

- Resolved and debugged 99% of coding issues for 70+ students in Python and Operating Systems courses within 24 hours, improving student understanding and project completion rates by 10%. Graded 140+ assignments weekly and provided constructive feedback to improve programming and problem-solving skills, leading to a 15% average increase in student scores.

EDUCATION

Bachelor's in Computer Science | NJIT | GPA: 3.79 **| May 2026**

Scholarship and Awards: NJIT Academic Merit Scholarship, Dean's List: Fall '22, Spring '23, Fall '23, Spring '24, Spring '25

PROJECTS

Data Analysis and Prediction App GitHub

Technologies Used: Python,Dash,Plotly,Pandas,NumPy,Scikit-learn,Tableau

- 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 GitHub

Technologies Used: MongoDB,Express.js,React,Node.js,Python,Pandas,NumPy,Scikit-learn,TensorFlow,Keras,Matplotlib,Seaborn,REST API

- 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

Programming Languages: Python, SQL, Machine Learning, Docker, React

Tools & Technologies: AWS

Soft Skills: Communication

CERTIFICATIONS

Power BI Data Analyst Associat | *Microsoft* **| Technical** **Oct 2025**

AI Foundation Associate | *OCI* **| Technical** **Oct 2025**