

ADIT NUWAL

Data Analyst

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PROFESSIONAL SUMMARY

1+ year of hands-on experience analyzing and managing 10M+ record datasets using Python, SQL and big data tools for quantitative analysis and database querying. Passionate about building scalable data transformation workflows and optimizing SQL queries for complex datasets by leveraging AI/ML, schema design and cloud platforms (AWS, Hadoop, Spark) to turn complex information into actionable insights for better

PROFESSIONAL EXPERIENCE

Office of Institutional Effectiveness, NJIT

Sep 2025 – Present

Data Analyst

- 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

Bonzaï Digital

Jun 2024 – Jul 2024

Backend Development Intern

- Implemented REST APIs with Kotlin and Spring Boot for direct file uploads to AWS S3 using presigned URLs to create scalable data ingestion pipelines, improving backend throughput and reducing response times by 25%
- Debugged Kotlin code by analyzing API response calls and network traffic using Postman and browser developer tools to resolve a critical backend issue, achieving a 100% reduction in error rate in collaboration with the products 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

Ying Wu College of Computing, NJIT

Jan 2024

Teaching Assistant

- Resolved and debugged 99% of coding issues for 70+ students in Python and Operating Systems courses within 24 hours
- Graded 140+ assignments weekly and provided constructive feedback to improve programming and problem solving skills

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 R² 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: Problem Solving, C++, Docker, JavaScript, Machine Learning, Python, React, SQL

Soft Skills: Communication, Teamwork

Languages: English, Hindi

CERTIFICATIONS

Power BI Data Analyst Associate | Microsoft | Technical

Oct 2025

AI Foundation Associate | OCI | Technical

Oct 2025