

Anuraag Macha

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[Website](#) | [LinkedIn](#) | [GitHub](#)

EXPERIENCE

Analytics Engineer

Northeastern University | August 2023 – present

- Introducing and operationalizing dbt Cloud to modernize data transformation processes, enhancing pipeline maintainability, version control, and team collaboration.
- Configuring Snowflake as the central data warehouse to support dbt Cloud integration and enable scalable, source-aligned analytics workflows.
- Conducting ad-hoc exploratory data analysis and statistical modeling with Python for data wrangling, automation, and scripting custom solutions to aid analytical processes.
- Collaborating with data engineers and data scientists to refine data pipeline workflows and enhance data quality for downstream analytics.
- Orchestrating workflow automation to resolve inconsistencies in upstream data pipelines, ensuring clean, analysis-ready datasets.
- Implementing key business metrics and dashboards in Tableau enabling leadership to track performance effectively.
- Managing the scheduling and execution of critical data workflows, ensuring operational excellence.

Lead Data Analyst

Gray Decision Intelligence | January 2022 – May 2023

- Designed and developed custom analytics applications for clients, focusing on financial modeling and program economics.
- Leveraged SQL and Qlik to integrate big data sources, perform advanced calculations, and generate key insights.
- Worked closely with clients by attending working session calls, delivering demo presentations to familiarize the clients with the system, and facilitating small or full-group sessions
- Led cross-functional collaborations with stakeholders to translate business challenges into actionable data-driven solutions.
- Performed predictive modeling and trend analysis to enhance the company's proprietary database using Qlik AutoML.

Actuarial Intern – Pension Consultation

Willis Towers Watson | May 2021 – August 2021

- Performed annual pension (qualified and non-qualified) and post-retirement medical valuations for a variety of clients
- Assisted with completion of plan reporting and filing requirements
- Performed plan administrative tasks such as completing benefit calculations, reviewing plan documents and SPDs, and producing benefit statements
- Analyzed de-risking options for defined benefit plans (bulk lump sums, retiree annuity purchases, plan terminations)

Data Automation Intern

Kothari & Co. | May 2019 – August 2019

- Built SQL-based data validation scripts to ensure data integrity and accuracy in analytical reports.
- Developed automation tools using Python (NumPy, Pandas) to improve data pipeline efficiency.
- Applied feature selection and hyperparameter tuning to improve forecasting accuracy.

EDUCATION

Northeastern University

Master of Science, Data Analytics

Graduation: June 2025 | GPA: 3.926

Purdue University

Bachelor of Science, Actuarial Science, Applied Statistics

Graduation: May 2022 | GPA: 3.423

PROJECTS

Fantasy Football Analytics

Built an end-to-end pipeline to transform, analyze, and visualize NFL fantasy football data for player performance insights. Read more on [Medium](#).

- Snowflake, dbt Cloud, Power BI, Python, VS Code, GitHub, MiniConda

Capstone Project

Built machine learning models to forecast capital project costs and optimize budget planning for DCAMM (Division of Capital Asset Management and Maintenance), improving financial accuracy for large-scale public infrastructure initiatives.

- Python (XGBoost, Neural Networks), Power BI

Personal Portfolio Website

Designed and deployed a responsive personal website as a showcase of data projects and technical skills with custom routing, smooth navigation, and animated UI.

- React, Next.js, Tailwind CSS, Framer Motion, GitHub, Vercel, VS Code

CERTIFICATIONS

Microsoft Certified: Azure Fundamentals

- ID: D4906FBD6C5C41C7

Databricks Certified: Data Engineer Professional

- ID: xx

dbt Certified: Analytics Engineer

- ID: xx

SKILLS

Languages

Python, R, SQL, Java Script, C

Data Engineering

dbt, Snowflake, PostgreSQL, Qlik, Alteryx, Spark, Databricks, Data Lake, MLflow

Data Visualizations

Tableau, Power BI, Qlik Sense

Environments

Microsoft Office Suite, GitHub, Azure, Databricks, Linux/ Unix, MySQL/ MS SQL