Anuraag Macha

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

EXPERIENCE

Head of Analytics
Opal Align | July 2025 – present

- Leading backend data architecture for a healthcare platform, designing and implementing HIPAA-compliant pipelines and scalable data infrastructure in Azure and SQL Server.
- Executing end-to-end data ingestion, transformation, and orchestration across partner APIs (e.g., Sikka, STEDI) and internal clinical/billing systems.
- Defining backend–frontend data contracts to integrate the application's Next.js frontend with backend pipelines and APIs.
- Driving product-aligned analytics development from MVP through UAT to launch, overseeing sprint planning, QA, and release cycles.
- Establishing governance frameworks, monitoring systems, and access controls to ensure data security and operational readiness under HIPAA.

Analytics Engineer
Northeastern University | August 2023 – July 2025

- 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.
- Orchestrating workflow automation to resolve inconsistencies in upstream data pipelines, ensuring clean, analysis-ready datasets.
- 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
- 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)

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