

Akhil Ghosh

Data Scientist

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www.akhiltghosh.com

Data Scientist and engineer who builds interesting tools and solve cool problems.

SKILLS

- **Programming:** Python, SQL, FastAPI, Postgres, TypeScript, R, Claude Code, Codex, Power BI
- **Data & Cloud Platforms:** Snowflake, Trino, Hadoop/Impala, Azure Data Factory, Microsoft Fabric
- **Statistics & Modeling:** Statistical Modeling, Survival Analysis, Kaplan-Meier Analysis, Cohort Analysis, Experimental Design, SAM 3, DensePose

EXPERIENCE

- **Enterprise Healthcare Client (Contractor via Kru-Marc Inc.)** North Chicago, IL
Software Engineer *Feb. 2024 – Present*
 - **Dashboard Migration Lead:** Led discovery, demos, and build sessions for a reporting migration used by 200+ weekly users. Managed two junior developers and translated messy stakeholder requests into shipped dashboards.
 - **Migraine Cohort Pipeline:** Built a SQL pipeline for a large migraine dataset, handling messy translation work, treatment-line logic, and adherence analysis across multiple claims sources.
 - **Internal Analytics Tooling:** Built reusable Power BI DAX tooling for Kaplan-Meier analysis, replacing a separate R workflow and making downstream support easier.
 - **Internal Project Tracker:** Built a FastAPI and Postgres tool to centralize project status, ownership, and metadata, and created a Claude Code skill to streamline internal project updates.
 - **Data Platform Consolidation:** Consolidated 57 healthcare datasets into one application, making the data easier to use across teams.

PROJECTS

- **akhiltghosh.com:**
 - **Personal Website:** Built a personal website with a conversational interface, custom front-end design, and room for technical writing and projects.
 - **NFL Analysis:** Publish NFL analysis with custom Python and R visuals, and built private All-22 clip retrieval ideas around embedding search so specific Caleb Williams plays can be found from natural-language queries over film.
- **Who Do I Run Like:**
 - **Who Do I Run Like:** Built a computer vision pipeline that uses SAM 3, DensePose, and pose landmarks to compare running form against elite runners.

EDUCATION

- **Georgia Institute of Technology (Part-time, Asynchronous)** Atlanta, GA
M.S. in Computer Science (Machine Learning Specialization) *Aug. 2024 - Current*
- **Loyola University Chicago** Chicago, IL
M.S. in Data Science *Aug. 2022 - Dec. 2023*
- **Loyola University Chicago** Chicago, IL
B.S. in Statistics & B.S. in Biology *Aug. 2018 - May 2022*