

Aman Patel

Atlanta, GA • aman0patel@gmail.com • 470-666-3159 • [Portfolio](#) • [LinkedIn](#)

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY

Atlanta, GA

Master of Science in Analytics, Computational Data Analytics Track

Aug 2025 – May 2026

- Coursework: Machine Learning Theory, Data and Visual Analytics, Database Systems, Data Structures and Algorithms
- Probability and Statistical Theory, Machine Learning for Graphs, Efficient Machine Learning

GEORGIA INSTITUTE OF TECHNOLOGY

Atlanta, GA

Bachelor of Science in Mathematics, Minor in Computing & Intelligence

Aug 2022 – May 2025

- GPA: 3.96

EXPERIENCE

Georgia Tech Financial Services Innovation Lab

Atlanta, GA

Research Assistant

Jan 2025 – Present

- Engineer regex-based package to parse key sections from over 1,000 S-1 Initial Public Offering (IPO) filings
- Leverage Natural Language Processing techniques to quantify disclosure quality in S-1 filings and link with IPO performance, uncovering insights to inform investment strategies

BlueConduit

Ann Arbor, MI (Remote)

Data Science Intern

Aug 2024 – Aug 2025

- Devised LLM-based automated web scraping tool to collect lead intelligence on 200+ customers
- Created LLM internal tools with LangChain to automate report writing and data manipulation, slashing customer data ingestion times by over 20%
- Refactored Databricks model deployment pipeline with drift monitoring, ensuring model quality
- Spearheaded usage of neural networks to predict survival times of water mains before breaking

State Farm

Bloomington, IL

Data Analytics Intern

May 2024 – Aug 2024

- Built Retrieval Augmentation Generation (RAG) pipeline that functions as a Q&A engine using LlamaIndex, saving analysts over 50 hours reading insurance rate filings
- Implemented SQL queries to extract data from enterprise warehouses to support predictive modeling of claim payouts
- Designed Power BI tool for executives to understand business policies by state and impact on quote conversion rates

Tremau

Paris, France (Remote)

Machine Learning Intern

Jan 2024 – May 2024

- Developed functional recommender system for content moderators by designing a semantic search pipeline using OpenAI embeddings and a Pinecone vector database
- Trained neural networks and gradient boosting models to classify policy violations with accuracies of 75%+

Real-Time Systems Group, UNC Chapel Hill

Chapel Hill, NC

Research Assistant

Jun 2023 – Sep 2023

- Integrated Keras Long Short-Term Memory (LSTM) driving behavior prediction models alongside other strategies into a 4-month EV battery simulation, improving lifespan by 2% (30 days)

SKILLS

Programming: Python, R, SQL, Java

Data Analysis: NumPy, pandas, Spark, dplyr

Visualization: PowerBI, Tableau, Matplotlib, seaborn, ggplot2

Machine Learning: Scikit-learn, XGBoost, TensorFlow/Keras, PyTorch, MLflow

GenAI Frameworks: Langchain, LlamaIndex

Cloud: Databricks, AWS