

Ishan Sheth

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EDUCATION

Georgia Institute of Technology

December 2025

Bachelor of Science in Computer Science, Minor in Economics

GPA: 3.79/4.0

- Concentrations: Artificial Intelligence and Systems & Architectures

EXPERIENCE

Incoming Data Science Intern

June 2024 – Aug. 2024

Truist Bank

Atlanta, GA

Software Engineering Intern

Jan. 2024 – May 2024

Ditch

Atlanta, GA

- Implemented a full-stack system for collecting qualitative user data, fully designing and building the frontend, and integrating it into a new database in the existing backend, providing users with debt insights based on life updates
- Developed three main app pages using Python, Flutter, PostgreSQL, and Google Cloud, increasing app downloads and engagements by enhancing debt analytics with AI-generated insights
- Improved database retrieval efficiency through optimizing data collection and preprocessing, utilizing Python, PostgreSQL, and Alembic

Senior Quantitative Analyst

Apr. 2023 – Present

Georgia Tech Student Foundation Investments Committee

Atlanta, GA

- Developing a systematic fixed income strategy in Python utilizing moving averages to generate buy/short signals and Monte Carlo simulations to adjust parameters, outperforming benchmarks in 5Y backtests
- Leveraged machine learning to reallocate capital between the fund's quantitative investment strategies based on macroeconomic conditions, contributing to the growth of the \$2.1M AUM fund
- Participated in a rigorous semester-long mentorship program learning DCF modeling, accounting, portfolio theory, macroeconomics, valuation techniques, Bloomberg Terminal, and stock pitch creation

Software Engineering Intern

June 2022 – Aug. 2022

Splitit

Atlanta, GA

- Developed machine learning model using Scikit Learn, SQL, and Snowflake to predict client acquisition with 85% accuracy, leading to improvements in the sales team's email communication and lead targeting
- Created production-ready tool using Python and Requests to analyze the needs of over 200 e-commerce companies, resulting in the identification of 10 potential clients
- Revamped sales data collection process resulting in the consolidation and reorganization of all their data in a centralized repository

PROJECTS

Breezy | *Python, Flask, React, MongoDB, Modal Labs*

Jan. 2024 – Present

- Building an AI-driven healthcare documentation tool, utilizing Python, NLP, MongoDB, Flask, and React to build full stack application
- Secured three letters of intent to purchase and utilize tool to streamline medical assessments, significantly reducing wait times and easing nurse workloads in clinics
- Initiating partnerships with private medical practices, enhancing patient, nurse, and physician experiences
- Finalist in 2024 Georgia Tech InVenture Prize

FraudGenie | *JavaScript, Python, Flask, React, XGBoost*

October 2023

- Built a high-performing machine learning model employing Python and XGBoost to generate fraud risk scores for a given transaction, achieving an F1 score of over 98% on unseen test data
- Developed real-time credit-card fraud detection dashboard for small businesses, using React, JavaScript, and Flask to offer real-time predictions and actionable insights
- Analyzed and preprocessed imbalanced dataset of 1.3 million transactions utilizing undersampling techniques

TECHNICAL SKILLS

Languages: Python, Java, Dart, C, SQL (Postgres), JavaScript, HTML/CSS, R, Assembly

Frameworks: Pytorch, Tensorflow, Scikit Learn, XGBoost, Flutter, React, Flask

Developer Tools: Git, Jenkins, MongoDB