Ishan Sheth

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Education

Georgia Institute of Technology **December 2025**
B.S. in Computer Science with Minor in Economics *GPA: 3.86/4.0*

- Concentrations: Artificial Intelligence and Systems & Architectures
- Coursework: Algorithms/Data Structures, Design of Algorithms, Computer Systems and Organization, Object Oriented Programming, Probability & Statistics, Linear Algebra, Multivariable Calculus, Discrete Mathematics

Experience

Truist Bank **Atlanta, GA**
Incoming Data Science Intern *June 2024-August 2024*

Ditch **Atlanta, GA**
Software Engineering Intern *January 2024-Present*

- Optimizing and developing backend functions and database queries using Python and SQL to improve data retrieval speed and collect necessary data for front end analytics pages
- Leading the redesign of app pages using Figma and Flutter to increase user engagement and customer satisfaction

Georgia Tech Student Foundation Investments Committee **Atlanta, GA**
Senior Quantitative Analyst *April 2023-Present*

- Developing and executing systematic fixed income investment strategies utilizing machine learning, contributing to the growth and management of $2.1M AUM student-run endowment fund
- Leverage Bloomberg Terminal, Excel, and Python to research and build portfolio management algorithm to distribute and reallocate capital to various quantitative investment strategies based on current macroeconomic conditions
- Participated in a rigorous semester-long mentorship program learning DCF modeling, accounting, portfolio theory, macroeconomics, valuation techniques, fixed income, and stock pitch creation

Splitit **Atlanta, GA**
Data Science Intern *June 2022-August 2022*

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

Projects

Breezy *January 2024-Present*

- Building an AI-driven healthcare platform, securing two pilot program intents by streamlining patient assessments, significantly reducing wait times and easing nurse workloads in clinics
- Leading product development and implementation utilizing Python and Natural Language Processing, garnering immediate interest and letters of intent from healthcare providers for a novel remote patient assessment solution.
- Initiating partnerships with private medical practices, enhancing patient, nurse, and physician experiences
- Received interview with ZFellows and current semifinalist in Georgia Tech InVenture Prize

FraudGenie *October 2023*

- Developed real-time credit-card fraud detection dashboard for small businesses, enabling real-time data analytics and visualization, driving data-driven decision-making and improving their control over financial security
- Built a high-performing machine learning model employing XGBoost to generate fraud risk scores for a given transaction, achieving an F1 score of over 98% on unseen test data
- Analyzed and preprocessed imbalanced dataset of 1.3 million transactions utilizing Pandas, Numpy, imblearn-Undersampling
- Built a user-friendly interface for web application, using React, JavaScript, and Flask to offer real-time predictions and actionable insights based on merchant risk tolerance

Research

MiRUS LLC **Marietta, GA**
Researcher *November 2020-July 2021*

- Co-authored *Characterization of Ion Release from a Novel Biomaterial, Molybdenum-47.5Rhenium, in Physiologic Environments* published in *The Spine Journal*
- Evaluated the strength, hydrophilicity, and bacterial growth of proprietary MoRe alloy for spinal implants and compared to industry standards, demonstrating its superiority to traditional surgical implant materials

Additional Information

Languages: Python, Java, JavaScript, HTML, CSS, Assembly
Data: SQL, Tableau, Tensorflow, Scikit Learn, Snowflake, XGBoost, Excel
Tools: Git, Jenkins