Ishan Sheth

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EDUCATION

Georgia Institute of Technology — December 2025
Bachelor of Science in Computer Science, Minor in Economics — *GPA: 3.80/4.0*
- Concentrations: Artificial Intelligence and Modeling & Simulation
- Coursework: Data Structures & Algorithms, Machine Learning, Design and Analysis of Algorithms, Computer Systems & Networks, Game Theory, Linear Algebra, Multivariable Calculus, Discrete Mathematics

EXPERIENCE

Data Science Intern — June 2024 – Aug. 2024
Truist Bank — *Atlanta, GA*
- Forecasting transaction volumes for 120 consumer facing teams using Python and Facebook Prophet, providing additional documentation for eventual production deployment
- Developed rules for hyperparameter tuning for each model based on advanced statistical testing and trends in data, improving model runtime by 300% and accuracy by 10%

Co-Founder — Jan. 2024 – Present
Breezy — *Atlanta, GA*
- Automating healthcare documentation utilizing Python, Pytorch, and Langchain, assisting physicians with patient diagnosis and completing 70% of their patient clinical note before the appointment
- Developing web portal for patients using Flask, React, and MongoDB, reading and writing healthcare data into existing electronic health record systems
- Secured five letters of intent to purchase tool with one sale, easing staff workloads in clinics
- Finalist in 2024 Georgia Tech InVenture Prize, pitch televised for audience of 150k+ people

Senior Quantitative Analyst — Apr. 2023 – Present
Georgia Tech Student Foundation Investments Committee — *Atlanta, GA*
- Developing fixed-income trading strategy in Python using yield spreads to generate buy/short signals for corporate bonds, outperforming benchmarks in backtests by 2.5% annually
- Leveraged Gradient Boosting models to reallocate capital between the fund's investment strategies based on macroeconomic conditions, contributing to the growth of the $2.1M AUM fund
- Finished in top 10% of rigorous semester-long class learning accounting, valuation techniques, and portfolio theory

Software Engineering Intern — Jan. 2024 – May 2024
Ditch — *Atlanta, GA*
- Developed three main app pages as part of founding engineering team using Dart and Python, enhancing user engagement and downloads by 30% through detailed debt analytics and in-app round-up payments
- Implemented system in app to provide users with AI-based debt insights, fully building the frontend, integrating it with a new database in the backend, and collecting quantitative and qualitative user liability data
- Optimized data preprocessing from databases utilizing Python and PostgreSQL, improving system performance

Software Engineering Intern — June 2022 – Aug. 2022
Splitit — *Atlanta, GA*
- Predicted client acquisition using Scikit Learn and SQL, narrowing down sales team's lead targeting by 30%
- Developed tool using Python to analyze 200+ e-commerce companies, identifying 10 potential clients
- Revamped sales data collection process resulting in the consolidation of all their data in a centralized repository

PROJECTS

FraudGenie | *JavaScript, Python, Flask, React, XGBoost* — October 2023
- Identified fraudulent credit-card transactions using XGBoost, with an F1 score of 98% on unseen test data
- Developed real-time dashboard, using React, JavaScript, and Flask to offer fraud detection and actionable insights

SKILLS

Languages: Python, Java, C++, C, Dart, SQL (Postgres), JavaScript, HTML/CSS, R, Assembly
Frameworks: Pytorch, Tensorflow, Scikit Learn, XGBoost, Flutter, React, Flask
Developer Tools: Git, Microsoft Azure, Snowflake, AWS DynamoDB/Lambda, MongoDB, Jenkins, Heroku