

Sushanth Malipati

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EDUCATION

- **Georgia Institute of Technology**

Atlanta, GA

BS Computer Science; GPA: 3.90

Aug 2021 – May 2025

- Minor in Mathematics, Honors Program, GT Competitive Programming Team (Officer)
- Grader for MATH 3406: Linear Algebra
- Coursework: Calculus I-III, Linear Algebra, Real Analysis, Complex Analysis, Probability Theory, Statistics, Data Structures, Algorithms, Computer Organization, Robotics and Perception, Data Science, Differential Equations, Discrete Math, Introduction to AI

EXPERIENCE

- **Goldman Sachs**

Dallas, TX

Quantitative Strategist Intern

Jun 2024 – Aug 2024

- Optimized data pipeline performance by approximately 60% through caching and prioritizing API calls.
- Developed a comprehensive dashboard from scratch to monitor over 50 funds and 1,000+ investments, now used by 50+ deal teams and portfolio managers.
- Implemented data quality pipeline checks that reduced systemic issues in bond features by $\sim 70\%$, automating checks and updates to ensure accuracy.
- Technologies: Backend – Slang, SecDB, Python, and Kotlin; Frontend – Typescript, Reactjs

- **Jane Street**

New York, NY

Spring Trading Program

May 2022 – Aug 2022

- Was 1/30 selected to participate in a week long training program in trading.
- Played market making games, learned game theory and bayesian probability/statistics.

- **Illinois Risk Lab**

Remote

Software Engineer

Jan 2022 – May 2022

- Implemented a peer-to-peer, decentralized risk pooling platform for the Ethereum Ecosystem.
- Developed smart contracts enabling seamless USD-Tether stablecoin transfers.
- Analyzed 12M data points, improved the variance minimization algorithm to meet user loss threshold.
- Technologies: Python, Solidity, and Web3.js

PROJECTS

- **FX Arbitrage:** Developed a real-time script to find triangular arbitrage opportunities between forex currencies with Python.
- **Mammo:** A mammography detection platform built in Javascript, React, MongoDB, and Node. Worked with Emory hospital database and used SQL to retrieve 150k+ data points.

SKILLS

- Honors and Awards: AIME Qualifier (Score: 9), AMC 12 Top 1%, Presidential Volunteer Service Award Gold, ICPC Top 15 Team in Region, USA Computing Olympiad Gold, Meta Hackercup Round 2 Qualifier
- Languages: Java, C, C++, Python, Javascript/Typescript
- Technologies: SQL, GraphQL, React, Git, JIRA