

Tanusri Mandapati

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Education

Massachusetts Institute of Technology (MIT)

Cambridge, MA

- B.S. in Computer Science, Economics, and Data Science (6-14) and a minor in Finance (15-3)
 - Relevant Coursework: Laboratory in Investments, Introduction to Machine Learning, Design and Analysis of Algorithms, Econometrics, Introduction to Algorithms, Linear Algebra, Introduction to Probability
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May 2025

Experience

Sumitomo Mitsui Banking Corporation (SMBC)

Jersey City, NJ

Software Engineering Summer Intern – Anti-Money Laundering Team

June – August 2024

- Developed an application that automates the monitoring of flagged transactions across the New York branch
- Wrote database interactions using Toad for Oracle and introduced performance optimizations for data aggregation and analysis
- Designed and developed user interface, setting up an automated alert system to identify missing daily reports

General Atlantic

New York, NY

Software Engineering Summer Analyst

June – August 2023

- Created an application that consolidates data from various, disparate investor and accounting portals to identify discrepancies
- Developed an algorithm that asynchronously gathers data from platforms and allows for changes in one account to appear in all related accounts across all platforms
- Designed and developed user interface using React, with an on-demand account monitoring and flagging system to increase usability

Microsoft

Cambridge, MA

A40 Software Engineering Micro-Intern

January – February 2023

- Worked on reducing trouble detection via a dashboard of correlated anomalies in metrics and events
- Developed and optimized two unsupervised anomaly detection algorithms (Isolation Forest and Local Outlier Factor) which utilize LTE EPS Architecture time-series data

MIT Electrical Engineering and Computer Science (EECS) Department

Cambridge, MA

6.100A/B/L [6.0001/2] Undergraduate Lab Assistant

September – December 2022

- Proofread, debugged, and wrote sample solutions for problem sets throughout the semester
- Assisted students in office hours and performed checkoffs by asking students questions to evaluate their understanding

Datamaxx Group, Inc.

Tallahassee, FL

Software Engineering Intern

June – August 2022

- Developed an individual-specific service that allows users to conduct and monitor background checks on themselves
 - Created a tokenized security system using jQuery to connect new and returning users to the platform for real-time results
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Projects

Sentiment Analysis and Stock Price Prediction: An Investigation of a Tweet-Based Dataset

Developed a linear regression model that analyzes public sentiment through Twitter with a Naïve Bayes Classifier and uses historical data to predict companies' opening stock prices for the following day

Awards

- USA Computing Olympiad (USACO) Silver Division Qualifier
- 5-Time American Invitational Mathematics Examination (AIME) Qualifier

Skills

Python, Java, C#, React, jQuery, HTML, CSS, MongoDB, Node.js, Bootstrap, JavaScript, SQL, Oracle