

Reetesh Sudhakar

linkedin.com/in/reeteshsudhakar | US Citizen | rsudhakar9@gatech.edu | (971) 470-7750 | reeteshsudhakar.com

EDUCATION

Georgia Institute of Technology

M.S. Computer Science, Specialization in Machine Learning

Atlanta, Georgia

Aug. 2024 – May 2025

- GPA – 4.00/4.00, Head Graduate Teaching Assistant: Artificial Intelligence (May 2024 – May 2025)
- Relevant Coursework: Machine Learning, Game AI, Data Visualization & Analytics, Computer Vision, Knowledge-Based AI

B.S. Computer Science, Specializations in Artificial Intelligence, Modeling & Simulation

Aug. 2021 – May 2024

- GPA: 3.96/4.00 – Highest Honors, Faculty Honors (2022-24), Dean's List (2021-24)
- Undergraduate Teaching Assistant: Artificial Intelligence (Spring 2024), Objects & Design (Fall 2023)

EXPERIENCE

Chicago Trading Company

Associate Engineer

Chicago, IL

Aug. 2025 – Present

- Desk Developer – US Indexes and Discretionary Trading.

Software Engineer Intern

Jun. 2024 – Present

- Developed automated pipelines using Jenkins to send critical warnings to end users, improving monitoring processes for hundreds of applications firmwide. Utilized Java and Splunk to surface and monitor API version metrics for client applications.
- Participated in introductory coursework in options theory and quantitative trading, building a sophisticated trading simulator to analyze market behavior using zero preference strategy, inventory-driven fitting, required edge, and stochastic price modeling.

Robinhood Markets, Inc.

Software Engineer Intern

Menlo Park, California

May 2023 – Aug. 2023

- Developed automated experiment health check and retro-AA testing system for A/B experiments using Python, PostgreSQL, Kubernetes, to diagnose sample ratio mismatching (SRM) in analyses and improve best testing practices for core product teams.
- Integrated health check system into full-stack application using React/Typescript and Django. Automated Slack notifications and created client for OpsGenie paging to improve response times to SRMs and health check failures for 15% of experiments.

Siemens Digital Industries Software

Software Development Intern

Remote

Dec. 2021 – May 2022

- Redesigned UX/UI for Siemens Software Center (SSC) in C++ and Qt Stylesheets (QSS) by performing research for optimal Human-Computer interaction. Led development of renderings using Figma and implemented 15+ released SSC features in Qt.
- Developed and deployed unit test frameworks to assist quality testing of installation, delivery, and user interaction features. Utilized the Google Testing Framework for performance testing in an agile development cycle with teams internationally.

PROJECTS

Georgia Tech Semantic Course Search Engine

Jun. 2023

- Scraped data on 2000+ courses, storing information in a CSV file, and utilized OpenAI API for text embeddings to generate text embeddings to create a semantic course search. Included functionality to filter courses and fine-tune results based on user input.
- Created web application for course searches using Streamlit, displaying search results by integrating scraped information with hyperlinked course registration pages and ratemyprofessors.com pages, streamlining the registration progress for students.

Instagram Caption Sentiment Analyzer

Jan. 2022

- Scraped 1500+ captions from Instagram posts using Selenium and Chrome WebDriver to provide sentiment analysis of users' accounts on a large scale with configurable sample sizes, normalized with NLTK Tokenize and regular expressions.
- Used natural language processing techniques with spaCy to isolate relevant post information, generating sentiment analysis of scraped user captions using the Google Natural Language API to generate an average sentiment score from a given user.

ACTIVITIES AND LEADERSHIP

Fremont Debate Academy

Vice President, Special Projects

Fremont, California

Apr. 2020 – Present

- Implementing 20+ curriculum targets in accordance with 100+ state standards to offer debate classes to students nationwide.
- Working with 10+ volunteer instructors introduce and integrate debate into elementary schools as a course offering.

Delta Tau Delta Fraternity, Gamma Psi Chapter

Director of Member Development

Atlanta, Georgia

Nov. 2022 – Apr. 2024

- Raised \$33,000+ in funds for Type 1 Diabetes research, health & environmental impact funds, and stroke prevention nationwide.
- Organized development events to strengthen campus relations and enhance leadership and professional skills for 50+ members.

SKILLS

Technical Skills: Python, Java, SQL (Postgres, Microsoft SQL Server), Django, Next.js, React, Mantine UI, D3.js, Anaconda, Git

Business Skills: Agile Methodologies, Product Management, Business Analysis, Teamwork, Leadership, Problem-Solving

Certifications: Product Management First Steps, Project Management Foundations, Project Management: Technical Projects, Agile

Product Owner Role: Foundations, Product Management: Building a Product Roadmap & Building a Product Strategy