

Reetesh Sudhakar

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

EDUCATION

Georgia Institute of Technology

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

Atlanta, Georgia

Expected Graduation May 2025

- GPA: 3.95/4.00 – Faculty Honors (2022-23), Dean's List (2021-23), M.S. Specialization in Machine Learning
- Relevant Coursework: Data Structures & Algorithms, Applied Combinatorics, Robotics & Perception, Systems & Networks, Design & Analysis of Algorithms, Differential Equations, Artificial Intelligence, Machine Learning, Complexity Theory
- Teaching Assistant: Artificial Intelligence (Spring 2024), Objects & Design (Fall 2023)

EXPERIENCE

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.

Georgia Tech Vertically Integrated Projects

Undergraduate Researcher

Atlanta, Georgia

Jan. 2022 – May 2023

- Designing a neural model with Nengo to address classic control problems with a neuromorphic approach by using the Open AI Gymnasium environment, comparing performance metrics to deep learning approaches.
- Leading team of five in performing analyses based on environment performance and sensitivity to assess and improve quality of proposed model in comparison with deep learning networks, yielding a 32% improvement using neuromorphic models.

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

Delta Tau Delta Fraternity, Gamma Psi Chapter

Director of Member Development

Atlanta, Georgia

Nov. 2022 – Present

- 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.

Fremont Debate Academy

Vice President, Special Projects

Fremont, California

Apr. 2020 – Present

- Implementing 20+ curriculum targets in accordance with 100+ Common Core State Standards to offer introductory debate extracurricular classes to students across 7 Oregon middle schools.
- Working with 10+ volunteer instructors nationwide to introduce and integrate Middle School Public Debate curriculum into elementary schools as a course offering to improve civic engagement, literacy, and communication skills.

SKILLS

Technical Skills: Python, Java, C, HTML, CSS, JavaScript, SQL, Django, React/Typescript, PyCharm, IntelliJ IDEA, Qt Creator C++, Anaconda, GitHub, Git/Tortoise Git, IBM SPSS Statistics, GraphPad Prism, Metaboanalyst

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