

Pranay Begwani

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EDUCATION

Georgia Institute of Technology
Bachelor of Science in Computer Science

GPA: 3.95
Dec 2024

Relevant Coursework: Data Structures, Algorithm Design, OOP, Machine Learning, Combinatorics, Systems and Networks

WORK EXPERIENCE

MessageGears LLC | Software Engineering Intern

May 2023 – Present

- Migrating the core product from to a React and TailwindCSS stack from Angular JS using agile methodology, to achieve better compatibility with a newly acquired product
- Creating several reusable components along with writing UI tests using Selenium, React Testing Library, and Jest

Georgia Tech Foundation Inc. | Quantitative Investments Analyst Intern

Jan 2023 – May 2023

- Automated processes for portfolio analysis using time series analysis, adding **35+** benchmark relative metrics such as, correlation matrices, convexity plots, drawdown charts, to improve analysis for public equities and hedge funds
- Optimized and documented code for improved readability, resulting in **30%** code reduction and **50%** faster run times
- Conducted hedge fund and public equities due diligence to help diversify the endowment's **\$2.5Bn** portfolio

Technology and International Development Lab, Georgia Tech | Research Assistant

Aug 2022 – Present

- Implemented a script to efficiently store and retrieve **1,400,000+** tweets using the Twitter API
- Applied topic modelling and sentiment analysis using Azure to help cluster sentiments based on topics and regions
- Compiled an annotated bibliography and literature review of **30+** relevant research papers to develop research thesis

Schoolkart Technologies Pvt. Ltd., Delhi, India | Business Development Intern

May 2022 – Oct 2022

- Remodeled website using HTML, CSS, and Liquid to ensure seamless user experience, leading to increase of monthly conversion rate by **2%** and monthly revenue by **25%**
 - Led negotiations with **10+** vendors to onboard them on the platform, expanding the catalog by **2x**
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PROJECTS

'Frogger' Android Game | Android, Java, XML

Jan 2023 – May 2023

- Collaborated to analyze product requirements and use agile methodology to design, implement, and test an Android game
- Ensured software adherence to industry-standard software design principles such as SOLID and GRASP

Movie Success Predictor | Scikit-Learn, Pandas, Numpy, Keras

Aug 2022 – Dec 2022

- Developed models like regression, random forests, K-means, and used NLP to predict the success of a movie script
- Utilized feature scaling, dimensionality reduction, and data cleaning to improve the performance of the models

Live Portfolio Dashboard | Scikit-Learn, Pandas, Keras, Selenium, Tableau, SQL

May 2022 – Aug 2022

- Scraped Yahoo Finance metrics using Selenium to monitor **30+** personal investments, real-time on a Tableau dashboard
- Predicted stock trends using an LSTM model and then updated a MySQL database, connected to Tableau, with the results

Laboratory Manager | Django, HTML, CSS, MySQL

Dec 2020 – May 2021

- Developed a web app using Django and MySQL to track bookings for **30+** labs, reducing double bookings by **70%**
 - Helped stakeholders keep track of the **2000+** equipment in laboratories and reduced misplaced equipment by almost **50%**
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LEADERSHIP

Senior Analyst | Georgia Tech Student Foundations Investments Committee

Sep 2021 – Present

- Oversaw analyst research for Consumer Discretionary stocks, macro & industry trends, and ensured accurate valuation models such as DCF and SOTP, leading to **4** successful pitches in a **200+** member committee, returning **51+%** to date

Director of Finance | Hacklytics, Data Science @ Georgia Tech

Oct 2021 – Present

- Actively manage **\$50000+** for club operations and spearheaded fundraising of **\$35000+** for a **500+** participant hackathon
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SKILLS

Languages and Frameworks: Python, Java, C, R, HTML, CSS, SQL, Django, Numpy, Pandas, Scikit-learn, Keras, Tweepy, Android, Angular, React, TypeScript, NextJS, TailwindCSS, Jest, React Testing Library, Selenium