Pranay Begwani

Atlanta, GA | Permanent Resident | https://www.linkedin.com/in/pranay-begwani/ | 9203168018 |
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EDUCATION

Georgia Institute of Technology   **GPA: 3.95**
Bachelor of Science in **Computer Science**   *May 2025*
Coursework: Data Structures, Algorithm Design and Analysis, OOP, Machine Learning, Applied Combinatorics,
Computer Systems and Architecture, Intro to Artificial Intelligence, Robotics and Perception, Statistics, Linear Algebra

WORK EXPERIENCE

MessageGears LLC | Software Engineering Intern   *May 2023 – Aug 2023*
- Migrated the core product to a React and TailwindCSS stack from Angular JS using agile methodology, producing about **4** pull requests per sprint for **6** sprints to streamline the tech-stack
- Created robust, reusable components with **50+** automated tests using Selenium, React Testing Library, and Cypress
- Identified and resolved **20+** bugs in JSP and Angular resulting in fulfilled client requests and better user experience

Georgia Tech Foundation Inc. | Quantitative Analyst Intern   *Jan 2023 – Present*
- Developing an analysis tool to build a weighted core portfolio, optimizing **$350 Million** of public equity holdings
- 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 **$2.5 Billion** portfolio

Technology & 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 to identify change over time and around significant events by regions
- Conducted LIWC (Linguistic Inquiry and Word Count) analysis to further reinforce sentiment analysis results
- Compiled an annotated bibliography and literature review of **30+** relevant research papers to develop research thesis

Schoolkart.com, 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**

PROJECTS

'Frogger' Android Game | Android, Java, XML   *Jan 2023 – May 2023*
- Collaborated to analyze product needs and used 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

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 **2000+** equipment in laboratories and reduced misplaced equipment by almost **50%**

LEADERSHIP

Senior Analyst | Georgia Tech Student Foundations Investments Committee   *Sep 2021 – Aug 2023*
- Oversaw analyst research for Consumer Discretionary stocks, macro & industry trends, and ensured accurate models such as DCF and SOTP, leading to **4** successful pitches in a **200+** member committee, resulting in **$250,000** allocated

Director of Finance | Hacklytics, Data Science @ Georgia Tech   *Oct 2021 – Aug 2023*
- Actively managed **$50000+** for club operations and led fundraising of **$35000+** for a **500+** participant hackathon

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, Cypress