# Pranay Begwani

Atlanta, GA | Permanent Resident | https://www.linkedin.com/in/pranay-begwani/| 9203168018 | pbegwani3@gatech.edu

## EDUCATION

**Georgia Institute of Technology** **GPA: 3.95**
**Bachelor of Science** in **Computer Science** *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*
- Working with the agile methodology to seamlessly migrate product from Angular to React, with TailwindCSS for designing, to achieve better compatibility with a newly acquired product

**Georgia Tech Foundation Inc. | Quantitative Investments Analyst Intern** *Jan 2023 – May 2023*
- Automated processes for portfolio data analysis using time series analysis, adding **35+** benchmark return based metrics such as, correlation matrices, convexity plots, drawdown charts, to improve analysis for public equities and hedge funds
- Refactored, documented, and modularized existing code for improved readability and flow, resulting in a **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*
- Developed and implemented a script to effectively store and retrieve large volumes of tweets using the Twitter API, achieving rapid access to **1,400,000+** tweets for data analysis and representation
- Conducted topic modelling and sentiment analysis using Azure to help cluster sentiments based on topics and regions

**Schoolkart Technologies Pvt. Ltd., Delhi, India | Business Development Intern** *May 2022 – Oct 2022*
- Remodeled website and implemented changes using HTML, CSS, and Liquid to ensure seamless user experience, leading to increase of monthly conversion rate by **2%** and monthly revenue by **25%** since the beginning of 2022
- 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 in a group setting to analyze product requirements and apply the agile methodology to design and implement an Android game which adhered to industry-standard software design principles

**Movie Success Predictor | Scikit-Learn, Pandas, Numpy, Keras** *Aug 2022 – Dec 2022*
- Developed models like regression, random forests, K-means clustering, and natural language processing techniques such as text clustering to predict the success of a movie pre-production
- 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*
- Automated the school laboratory inventory by developing a Django based database system using MySQL to allow staff members to track bookings for the school's **30+** laboratory classrooms, reducing double bookings by **70%**
- Collaborated with stakeholders to develop a web application, helping keep track of the **2000+** equipment in the laboratories and reducing quantity of misplaced equipment by almost **50%**

## 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

## SKILLS

**Languages and Frameworks:** Python, Java, C, HTML, SQL, Django, Numpy, Pandas, Scikit-learn, Keras, Tweepy, Android
**Skills:** Software Development, Data Analysis, Financial Analysis, Bloomberg Terminal, Capital-IQ Pro, Tableau, Git, Excel