

ANI POTTAMMAL

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EDUCATION

NEW YORK UNIVERSITY, Courant Institute of Mathematical Sciences

New York, NY

Bachelor of Arts, Mathematics & Computer Science

Fall 2022 - Spring 2026 (Expected)

- Relative Coursework: Calculus I/II/III, Real Analysis, Linear Algebra, Discrete Mathematics, Abstract Algebra, Introduction to Computer Science, Data Structures, Introduction to Macroeconomics
- Organizations: Paragon National Group NYU, NYU Mathematics Society, Mathematical Finance Group NYU

QUANTITATIVE EXPERIENCE & PERSONAL PROGRAMMING PROJECTS

QUANTITATIVE TRADING ANALYST, Mathematical Finance Group NYU

February 2024 – Present

- Learned about market-making and quantitative trading strategies, and applied knowledge in sports-betting/market analysis projects
- Worked on an ongoing paper trading portfolio, implementing and rigorously testing strategic hypotheses to refine investment approaches and risk management techniques

DATA ANALYTICS & MACHINE LEARNING INTERN, Our Bad Habit

December 2023 - Present

- Created a music artist tracking software to monitor growth and exposure of music artists signed by Our Bad Habit (Burna Boy, The Neighborhood, Rellyski), and identified emerging artist trends using signals found from data
- Utilized web scraping techniques to gather data from multiple music blogs on trending artists, and used a KNN classification algorithm on a large audio file collection to classify signaled artists into subgenres of interest for A&R Research team
- Developed a UI for management to interact with processed data and apply filtered searches to look for music trends of interest

PARAGON GLOBAL INVESTMENTS, NYU Chapter

Quantitative Analyst

November 2023 – Present

- Leveraged CloudQuant database to research and develop signals for PGI's Systematic trading fund, utilized Scikit-learn regression to improve signals
- Deployed algorithmic trading software through AWS Lambda

Member

October 2023 – November 2023

- Intercollegiate student-run investment club focused on value investing and algorithmic trading strategies (~40k AUM)
- Performed rigorous accounting, valuation, modeling, and bottom-up analysis of various companies using Excel, and learned how to simulate automated trading strategies using Monte Carlo Simulations

PORTFOLIO OPTIMIZATION PROJECT (Python / Jupyter Notebook)

April 2023

- Chose 8 stocks (UNH, MRK, AAPL, MSFT, JPM, BAC, XOM, CVX) for an evenly weighted portfolio and tracked its performance following the COVID pandemic period using data pulled from Yahoo! Finance
- Leveraged NumPy, Pandas, Matplotlib, and PyPortfolioOpt libraries to optimize the portfolio's performance from 20.08% to 25.3%

WORK EXPERIENCE

NEW YORK UNIVERSITY

New York, NY

Student Technology Assistant, NYU Student Technology Centers

August 2023 – Present

- Assisted NYU students and faculty with hardware, software, and other services offered by both the STCs and NYU IT (A/V Booth, Pharos Print Service, Classroom Support, Service Reservations, Printing, MFA/Login, NYU Home Support)
- Worked with staff for event creation, design, and social media to further engage with the NYU community

Student Computer Technician, NYU College of Dentistry

May 2023 – August 2023

- Handled Tier 1 help desk escalations through ServiceLink tickets or phone, and configured Axium, Romexus, Adobe Creative Cloud, MS Office 365, NYU VPN, Malwarebytes, and Duo MFA on clients' personal devices
- Monitored internal technology to ensure accurate inventory records, and reimaged dental technicians' computers and equipment

Service Desk Support Agent, NYU IT

April 2023 – August 2023

- Assisted clients with connecting their devices to NYU Wi-Fi, configuring Multi-Factor Authentication, resetting passwords, fixing printers, installing NYU-provided VPN and software, and troubleshooting common problems
- Documented resolved client tickets in ServiceNow database and processed laptop pickups and drop-offs for desktop support

ADDITIONAL INFORMATION & SKILLS

- Experienced With:** MS Office, Word, Excel, Teams, Bloomberg, PowerPoint, Slack, Google Workspace, Zoom
- Programming Languages:** Java, Python, R, SQL, HTML5, CSS, JavaScript & LaTeX
- Natural Languages:** Malayalam (fluent), Spanish (intermediate), French (basic), Hindi (basic)
- Personal Interests:** Collecting vinyl records, calisthenics, playing card games, logic puzzles, origami