ARJUN CHIDRAWAR
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EDUCATION

MASSACHUSETTS INSTITUTE OF TECHNOLOGY Cambridge, MA
Candidate for Master of Finance, February 2026 2024 - Present
- Concentration in Financial Engineering
- Anticipated Coursework: Financial Mathematics, Fundamentals of Probability, Deep Learning, Natural Language Processing, Financial Engineering

WILLIAMS COLLEGE Williamstown, MA
Bachelor of Arts degree Computer Science, Chinese 2020 - 2024
- GPA: 3.8/4.0, Dean's List 2020-2024, SAT Math 770, English 790
- Select Coursework: Data Structures, Algorithms, Machine Learning, Theory of Computation, Diff Equations

EXPERIENCE

PNC BANK Manhattan, NY
Summer Quantitative Analyst Summer 2023
- Engaged in building a trading engine in a team of 5, developing FIX protocol expertise, low latency database creation, and connector module implementation. Blueprinted rules-based engine vs ML implementation.
- Implemented a customer default early warning signal model utilizing Spark via real-time quantitative data. The model is used by risk and analytics teams to better cater to the bank's clients.

CROSS RIVER BANK Fort Lee, NJ
Research Intern, Crypto Team Summer 2022
- Researched Crypto lending industry and performed competitor analysis on 8 token providers, evaluating effects of the bear market on token prices, on-chain impacts, token liquidity, and regulatory landscape.
- Collaborated with research team to analyze impact of current events in crypto space and provide strategic recommendations. Contributed to development of Cross River's lending and exchange products.

WHOOO'S READING San Diego, CA
Data Science Intern Summer 2021
- Collaborated directly with the CTO to implement an NLP-based machine learning model for detecting restated questions in grade school students' open-ended responses.
- Delivered impactful presentations on progress and new findings to company leadership, including the CEO.

WILLIAMS COLLEGE Williamstown, MA
Teaching Assistant for Applied Statistics Fall 2021
- Guided a group of 40 students through weekly 2 hour help sessions, taught regression and probability concepts. Reviewed and graded problem sets, helped students prepare for exams, created answer keys.

RESEARCH EXPERIENCE

EXPLORATION OF TRADING ALGORITHMS Williamstown, MA
Personal Project Fall 2023
- Implemented trading algorithms in Python, utilizing MSFT and SNP daily close price data. Strategies including mean reversion, donchian channels, basic SMA. Also engineered features for Random forest strategy.

CONVOLUTIONAL NEURAL NETWORKS Williamstown, MA
Research Project, Violin Image Classification Spring 2024
- Implemented a convolutional neural network leveraging 100,000 images of violins. The model can detect parts of a violin based on an input image. Preliminary research submission: pdf.ac/1omeom

ADDITIONAL INFORMATION

- Personal Projects: github.com/ArjunChidrawar
- Skills: Proficient with Python, Java, F#, Sklearn, Pytorch, C, some C++, some Spark, some R
- Language: Advanced level in Mandarin Chinese, Fluent in Marathi (Indian language spoken by 80 mil+ people)
- Interests: Chess, Poker, Skiing, Golf, Badminton, Classical Piano, Language learning