

Akshar Ravichandran

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Education

Georgia Institute of Technology, College of Computing
Bachelor of Science in Computer Science, Artificial Intelligence & Devices
Cumulative GPA: 3.94

Dec 2026
Atlanta, GA

Relevant Coursework: Machine Learning, Systems and Networking, Data Structures & Algorithms, Object-Oriented Principles

Programming: Python, Java, C, C++, SQL, JavaScript, React

Experience

Amazon

May 2025 – Aug 2025

Software Developing Engineer Intern

Tempe, AZ

- Developed one stop shop internal portal using React and Amazon's Harmony Framework, streamlining certification management for 20+ PMs and SDEs supporting Amazon Business sellers
- Implemented 5 key functions, including Auditing Certifications in various regional marketplaces, Creating/Editing Certification Types, and updating 3 of our teams Coral API services, reducing manual workload by 30%
- Established and deployed 2 production links connecting my services to both production and corporation environments enabling end to end visibility for multiple stages of the portal

Sparksoft Inc.

June 2024 – Nov 2024

Full-Stack Software Engineering Intern

Columbia, MD

- Participated in developing Enterprise Portal for Medicare under the Centers for Medicare & Medicaid Services (CMS), specializing in maintaining and improving the Angular-based portal
- Demonstrated strong critical thinking and problem-solving skills by diagnosing and resolved 40+ front/backend bugs and performance issues, enhancing stability and user experience of the CMS portal
- Collaborated with Business Analyst and Quality Assurance teams to ensure thorough testing of key features

Projects

Researcher @ Machine Learning for Financial Markets VIP Research

January 2024 – Present

Monetary Policy Sentiment Analysis

Atlanta, GA

- Trained and benchmarked transformer-based models (BERT/ALBERT) to accurately distinguish policy sentiments, enhancing classification accuracy and providing deeper insights into monetary policy trends in over 15+ countries
- Annotated and classified 1,000+ sentences from Reserve Bank of India (RBI) and Central Bank of Republic of China (Taiwan) meeting minutes, labeling monetary policy statements as hawkish/dovish, forward/backward-looking, and certain/uncertain

Financial Datasets Analysis

Atlanta, GA

- Evaluated 5+ financial news/press articles datasets based on data collection and presentation, identifying strengths and weaknesses
- Filtered and validated datasets using Polars and Pandas to evaluate their predictive effectiveness and reliability

Athletics Project Data Science Club @Georgia Tech

September 2023 – May 2024

Athletics Project Developer

Atlanta, GA

- Collaborated with group of 20+ to develop an accurate win probability model for NCAA College Basketball (CBB) teams using advanced statistical techniques, improving prediction accuracy by 25%
- Developed a web scraper to retrieve college basketball team statistics from 500+ games, improving the data collection process

Activities

Investments Committee of Georgia Tech (IC)

February 2024 – Present

Consumer Discretionary Sector Analyst

Atlanta, GA

- Managed consumer discretionary sector (8% allocation) of \$2.02 millions, solely student run portfolio
- Led 5 analysts on investment pitches using investment theses derived from market research, DCF analysis, and relative valuations
- Researched small to large cap consumer discretionary companies using 10-Ks/10-Qs, sell-side research reports, and Bloomberg

Quantitative Analysis Sector Analyst

Atlanta, GA

- Developing a state-space model with Kalman filter to estimate an equity's beta relative on a daily basis to enable hedging strategies
- Implemented an automated live trading system using Interactive Brokers (IBKR) and Trader Workstation executing real-time trades, achieving a 20% reduction in transaction latency
- Created a comprehensive, live Dash application displaying 10+ key performance metrics, reducing manual performance

Additional Information

Languages: English (Advanced), Spanish(Limited), Tamil (Advanced)

Organizations: Georgia Tech: Startup Exchange, Pi Kappa Alpha Fraternity (Alpha Delta Chapter)