

KAPIL IYER

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EDUCATION

University of Waterloo, Canada

Aug 2029

Bachelor of Honors Mathematics Co-op (President's Scholarship of Distinction)

Specialization: Applied Math - Scientific Machine Learning

Minor: Statistics and Computing

Relevant coursework: Calculus I, II, Lin Algebra, Data Structures, Probability, Algorithm Design, Data Abstraction

EXPERIENCE

UW Data Science Club

Sep, 2025 - Present

Outreach Coordinator

Waterloo, Canada

- Coordinate corporate partnership outreach for **Canada's largest student-run datathon (CxC 2026)**, engaging **30+** potential sponsors to secure funding and mentorship for **200+ participants**
- Utilized **Apollo.io** and professional B2B outreach tools to identify and engage target companies, achieving a **25% response rate** through strategic messaging and personalized proposals
- Collaborate with CxC organizing team and past sponsors (**UW Math Endowment Fund, Hugging Face, Techyon**) to develop sponsor activation strategies, managing communications and deliverables across 3 cross-club partnerships
- Build relationships with fintech and technology companies to provide students with industry exposure, working toward confirmed partnerships for February 2026 hackathon

UW Governance Risk Compliance Association

April, 2025 - August, 2025

VP of External Relations

Waterloo, Canada

- Built and maintained partnerships with **20+ professionals** in fintech, cybersecurity, and regulatory compliance to support speaker events, workshops, and mentorship programs serving **100+ students**
- Coordinated with government bodies (**Ontario Treasury Board Secretariat**), consulting firms, and fintech startups in partnership with **UW Fintech including Relay Financial** to host interactive networking sessions introducing students to real-world GRC and finance practices
- Directed cross-club outreach and engagement with **UW Venture, UW FinTech, and UW Data Science Club**, managing LinkedIn networking and personalized communication strategies that achieved a **40% response rate** and grew club reach by **30%**.

TECHNICAL PROJECTS

ML-Powered Stock Market Analysis Platform

November 2025

Python, pandas, NumPy, scikit-learn, matplotlib, Streamlit, Git/GitHub

In Development

- Developing machine learning platform analyzing **10,000+ stock tickers** with ensemble classification and regression models (**Linear Regression, Random Forest Regressor/Classifier, Ridge Regression**), targeting **60%+ directional** accuracy to democratize institutional-grade quantitative analysis for retail investors
- Implementing automated data pipeline processing **2,500+ daily data points** per stock via **yfinance API**, engineering **8 technical indicators (RSI, MACD, Bollinger Bands, moving averages)** with time-series preprocessing for model training and validation
- Building interactive **Streamlit** web dashboard enabling real-time analysis of any security in **under 30 seconds**, featuring automated data visualization, model performance comparison, and feature importance rankings

SKILLS & CERTIFICATIONS

Programming Languages: Python, JavaScript, Java, Racket, C, R, SQL, LaTeX

Data Science & ML: Pandas, NumPy, scikit-learn, Machine Learning (Regression, Classification, Ensemble Methods), Statistical Modeling, Feature Engineering, Data Analysis, Supervised & Un-supervised Learning

Visualization & Tools: Bloomberg Terminal, Watson Studio, Matplotlib, Seaborn, Plotly, Streamlit, Jupyter Notebook, Git/GitHub, VS Code

Certifications & Courses: Bloomberg Market Concepts, Bloomberg Spreadsheet Analysis (BQL), IBM ML and DL Course, IBM Run AI Models with Watson Studio

Languages: English, Hindi, Urdu, Marathi, Punjabi, Tamil, French (conversational)