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Shriraghav Ashok

LinkedIn
Github

Education

UC Berkeley Haas School of Business — Berkeley, CA
B.S. in Business Administration and Computer Science — *Expected Graduation Date: May 2029*

Work Experience

Kira — San Francisco, CA
Machine Learning Intern — *May 2026 – Present*

- Building agentic AI systems to automate KYT approvals and AML transaction monitoring on Kira's stablecoin-based global payment infrastructure
- Deployed Latin American expansion, deploying automated compliance across Colombia, Mexico, and Lima

Horizon Labs - Microsoft Sponsored — Philadelphia, PA
Artificial Intelligence Engineer (1 of 5 high school students invited) — *June 2025 – May 2026*

- Designed ML-based probabilistic EWS to predict financial liquidity crises, improving accuracy by 7%. Research accepted at IEEE MIT URTC Main Technical Track
- Designed physics-aware EWS to predict hurricane induced port disruptions, improving accuracy by over 11% and prediction times to under 20 seconds. Research received Best Paper Runner Up at IEEE ICDM UGHS

Morgan Stanley — Remote
Finance Academy Scholar (cohort of 120 students) — *October 2025 – March 2026*

- Mentored by Morgan Stanley professionals over 5 months, exploring finance principles, market dynamics, and investment frameworks
- Competed in Morgan Stanley Case Competition, constructing a corporate bond offering for Southwest Airlines as lead left bookrunner. Awarded finalist pitch (top 4)

Boston Commons Asset Management — Boston, MA
Financial Analyst Intern — *Jun 2025 – October 2025*

- Conducted market analysis, comparable company analysis, and DCF modeling to develop investment report for initiation of Avenues Supermarket to $3 billion portfolio
- Presented findings to company CEO, featured on the Young Investors Society newsletter, reaching over 25,000 monthly readers, and received 3rd/ 1000+ in Global Stock Pitch Competition

Projects

Nexus | LightGBM, XGBoost, Optuna, SHAP

- Built probabilsitc ML-based early warning system to predict financial liquidity crises by integrating alternative data, improving predictive performance 664% and top-risk bank identification accuracy by over 2×

FS-PREM | Scikit-learn, PyTorch, Conformal Prediction

- Built physics-aware framework for hurricane-induced port disruption forecasting across 120,000+ advisory-port observations, improving AUC by 11% over baseline methods with 99% uncertainty coverage

Clusion Debate | Python, HTML

- Developed multi-agent LLM system with iterative adversarial reasoning loops to develop first AI-native debate evidence retrieval and tournament planning framework, reaching 10,000 users across 7 countries

Activities

- **NexHacks**: Co-organized largest youth led hackathon in the US. Raised $1,500,000 in sponsorships from over 30 companies including A16Z, Cursor, Lovable, and JPMorgan, reaching 1,500 participants nationwide
- **BU1LD**: Building Liquidation Graph World Model (LGWM) — a differentiable graph-based simulation of hedge-fund liquidation cascades. Received over $500,000 in funding from NVIDIA, AWS, Microsoft, MIT, and Stanford
- **Public Forum Debate**: Ranked 3rd/18,000 internationally (2nd at Stanford, 5th at Cal, 2x Gold TOC). Ran largest AZ debate team, managing 100+ members and being awarded NSDA Top 10 national

Skills

Technical Skills: Python, PyTorch, Scikit-Learn, Time Series Forecasting, Optuna, HTML, Multi-Agent LLM Systems
Interests: Computational Finance, Applied AI/ML, Behavioral Economics, Rare-event Modeling, Financial Systems