

Experience

Ventura Securities

Mumbai, India

Senior Research Intern

December 2024 – Present

- Delivered high-impact equity and macroeconomic research that directly informed portfolio strategy and executive decision-making.
- Synthesized complex market data into sharp, investor-facing insights, driving thought leadership and enhancing Ventura's client-facing research output.
- Built advanced financial models to forecast earnings, assess risk, and uncover actionable investment opportunities across multiple sectors.

Education

Boston University

Boston, MA

BS in Data Science. GPA: 3.43

Graduation: May 2027

- **GenomeSage:** Developing a sequence modeling pipeline using PyTorch to predict genetic mutations from raw DNA data; visualized model outputs with Tableau for interpretability by bioinformaticians.
- **SMPBED:** Developed predictive models in Python/R to forecast S&P 500 trends using macroeconomic indicators and visualized results in Tableau.
- **Disease Simulation in Rust:** Built an SIR model on synthetic graphs to simulate disease spread and identify high-risk nodes through centrality analysis.
- **FYSOP:** Collaborated with Boston-based organizations to address social issues while fostering community, mentorship, and intersectional awareness.
- **Vision:** Worked on a real-time image classification web app using TensorFlow, Streamlit, and Docker, enabling users to upload and analyze images via an interactive dashboard with GPU-accelerated inference.
- **GitOps & Collaboration:** Led version control and CI workflows across multiple projects using GitHub, streamlining development and deployment.
- **PIT-UN Volunteer:** Oversaw high-level event logistics and stakeholder coordination to enable seamless cross-sector collaboration at the national Public Interest Technology convening.

High School Leadership & Engagement

Mumbai, India | 2020 – 2023

- **Jupiter Hospital – Mental Health Advocacy Volunteer:** Spearheaded workshops and counseling initiatives for medical staff; launched inter-hospital collaborations and social media campaigns to expand impact and sustainability.
- **Model United Nations – Director, Oxford MUN:** Directed high-stakes committee sessions for 2,000+ delegates; enhanced delegate experience via digital tools and briefing innovations.
- **TEDx Singhania – Director:** Curated top-tier speaker lineup, exceeded sponsorship goals, and executed a digital marketing strategy that drove record-breaking virtual attendance and engagement.
- **IRIS Magazine – Editor in Chief, Singhania School IB:** Revamped publication with a digital edition and diverse funding; led global partnerships, film festivals, and 50+ educational video projects.
- **Concinnity 21 – Head of Technical:** Managed AV logistics for a fundraising concert supporting patients with pediatric cancer; implemented live streaming, optimized vendor contracts, and led tech operations for 1,000+ attendees, raising \$30,000.

Proficiencies & Personal Interests:

Technical: Python, PyTorch, GitHub, Docker, Rust, R, SQL, HTML 5, JavaScript, MongoDB, TensorFlow, Tableau, Streamlit, Office Suite, Adobe Suite, Final Cut Pro, AWS, Firebase, OBS studio, CPR Certification

Languages: English, Hindi, Marathi, Gujarati, Spanish (Elementary)

Interests: Debate, History (Greek and Roman), Soccer, Travelling, Event planning