

# Riya Ohri

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## EDUCATION

**Brandeis International Business School**

**Waltham, MA**

**Master of Science in Finance (STEM-Designated) GPA- 3.67**

**08/2023 - 12/2024**

**Dean's Scholarship: (75% tuition)**

*Relevant Coursework:* Corporate Finance, Private Equity, Computer Simulation and Risk Assessment, Options and Derivatives

**Jaypee University of Information Technology**

**Solan, India**

**Bachelor of Technology in Electronics and Communication Engineering,**

**07/2015 - 06/2019**

*Relevant Coursework:* Applied Mathematics, Statistics, Robotics and AI, Object Oriented Programming, MATLAB

## TECHNICAL SKILLS

**Programming Languages:** Python, SQL, R, C, C++, JAVA, Selenium, Cypress, J meter

**Computer Software:** Advanced Microsoft Excel, Tableau, Power BI, Bloomberg

**Analytics:** Risk Modeling, Predictive Modeling, Statistical Analysis, Financial Analysis, Machine Learning

## WORK EXPERIENCE

**Financial Innovation and Research Center (FIRC)**

**Boston, MA**

**Associate Intern**

**06/2024 - Present**

- Selected by Associate Dean to lead research initiative on AI and financial markets, analyzing 40 years of financial data, including quarterly stock data and institutional holdings, using advanced statistical techniques in Stata and Python
- Develop data pipelines and analytical models to process historical data, enabling its integration into a large language model (LLM) for predictive analysis on AI's market impact
- Utilize machine learning algorithms to extract insights from complex datasets, improving understanding of AI's influence on market trends and investment strategies

**PaySeRoutes (Logistics Startup)**

**Chennai, India**

**QA Lead**

**12/2021 - 06/2022**

- Collaborated with a team of more than 15 developers and project managers to assess program capabilities, features, and testing demands of a logistics software with national and international delivery capabilities
- Coordinated with management to pitch the product to various investors and investment firms, conducted market research and competitor analysis using Machine Learning tools to tailor pitches to investor interests

**Genpact**

**Noida, India**

**Management Trainee**

**07/2019 - 11/2021**

- Planned manual and automated testing strategies of insurance projects for clients, including Guidewire and Home Depot, with objective of automating insurance filing claims and integrating them with daily operations
- Cultivated relationships with existing and new clients and oversaw project planning, schedule management, and customer relations for six projects; promoted to management trainee from senior associate in 16 months

## ACADEMIC PROJECT

**Brandeis International Business School**

**Waltham, MA**

**Emerging Technology Index ETF Design and Optimization**

**01/2024 - 04/2024**

- Designed an ETF in Python to track Emerging Technology Index with 50 companies, minimizing tracking error using rolling window analysis and integer optimization along with optimization models to determine ideal asset portfolio
- Authored comprehensive report with recommendations and presented to stakeholders

## ACTIVITIES/SKILLS

**Skills:** Adobe Suite, MS Office (Excel, PowerPoint, Word)

**Activities:** Real Estate Club (2023-24), Venture Capital Club (2023-24), FinTech Club (2023 -24), Career Captain (2023-24)

**Languages:** English (Native), Hindi (Native), French (Beginner)

**Certifications:** LBO and M&A Modeling (Marquee Group), Advanced Risk and Portfolio Management (NYU)