

ABHISHEK TIWARI

AbhishekT282001@gmail.com | +44 074.363.41897

EDUCATION

Massachusetts Institute of Technology (MIT) | edX

MicroMasters in Statistics & Data Science (Method Track) (In Progress)

Cambridge, MA, USA

Expected December 2025

- Focus on Machine Learning, Time Series Analysis, and Data-Driven Decision Making
- Courses include Probability & Statistics, Data Analysis, Machine Learning, and Time Series Forecasting.

The University of Liverpool | Management School

Attended: Masters in Finance & Investment Management 2:2

Liverpool, UK

July 2024

- Recipient of Dean Scholarship for Academic Excellence
- Concentration: Financial Analytics & Risk Management
- Master's Thesis: "Impact of Mergers & Acquisitions on Financial Performance"
- Relevant Coursework: Investment Management, Quantitative Finance, Data Science for Finance, Financial Risk Analysis, Portfolio Optimization, Machine Learning, Derivatives & Fixed Income Securities, Corporate Valuation

Garden City University

Bachelor of Business Administration in Business Analytics; GPA: 3.3/4.0

Bangalore, India

November 2021

- Concentration: Business Intelligence & Data Analytics
- Relevant Coursework: Statistical Modelling, Data Visualization, Business Intelligence, Predictive Analysis, SQL for Data Analysis, Financial Analytics, Machine Learning Fundamentals, Operations Research

WORK EXPERIENCE

Advanced Predictive Modelling; McKenzie Lab - UOL

Research Assistant

Liverpool, UK

Jan 2024 – Present

- Engineered machine learning models (XGBoost, Random Forest) to predict stock price movements, achieving 83% model accuracy and improving investment decision-making efficiency.
- Optimized financial datasets by processing 500,000+ data points, applying feature engineering & hyperparameter tuning, resulting in a 28% improvement in model precision.
- Developed dynamic Tableau-based dashboards for traders, enabling real-time data-driven decisions and reducing manual analysis time by 40%.

Portfolio Optimization Using the Sharpe Ratio; AI/ML Training Lab, UOL

Researcher

Liverpool, UK

March 2023 – Nov 2023

- Developed Python-based portfolio optimization models, leveraging the Sharpe ratio, improving portfolio efficiency by 20% while balancing risk & return trade-offs.
- Integrated SQL-based financial data retrieval pipelines, conducting sensitivity analysis on over 1 million financial transactions, refining asset allocation strategies for enhanced risk management.

TZF Non-Profit Organization

Fundraising Researcher

Mumbai, India

Jan 2021 – June 2022

- Secured \$22,000 USD in crowdfunding, increasing organizational funding by 86% for pandemic relief initiatives.
- Allocated \$6,000 USD to optimize financial distribution, enhancing relief impact by 35%.

Garden City University Lab

Undergraduate Researcher

Bangalore, India

Feb 2019 – Aug 2020

- Conducted in-depth research on fixed-income markets, analysing 200+ financial instruments to develop insights on liquidity solutions and asset pricing models.
- Synthesized and reviewed 100+ academic papers on fixed-income securities, evaluating market dynamics to refine investment strategies.

SKILLS

- Python, R, SQL, C++, Power BI, Tableau, Bloomberg, Machine Learning, Financial Modelling, Data Analysis, Tally