

Vikalp Thukral

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EDUCATION

UCLA ANDERSON SCHOOL OF MANAGEMENT

Los Angeles, CA

Master of Financial Engineering

GRE Quant: 167/170

Expected December 2025

- Projects:* Factor Investment; Implementing & Back testing Trading strategies; Derivative Pricing; Quantitative computational optimization
- IAQF Competition 2025 Winner:* One of the four winners out of 23 teams participating. Analyzed volatility dynamics between M7 stocks and the S&P 500 using DCC-GARCH; assessed spillover effects of shocks. Implemented LPPLS model for bubble detection and developed an investment strategy based on predictive signals.

PUNJAB ENGINEERING COLLEGE

Chandigarh, India

B.Tech., Electronics and Communication

GPA: 3.75

July 2021

- Relevant Courses:* Neural Networks; Computer Programming (C++); Vector Calculus; Probability and Statistics

SKILLS & CERTIFICATIONS

- Technical Skills:* Python (Pandas, NumPy, Scikit-learn); C++; SQL; Excel; Microsoft Office; HDFS
- Certifications:* Machine Learning in Finance; CFA Level I; Programming C++; Python

EXPERIENCE

LINK CAPITAL LLC

Los Angeles, CA

Financial Analyst

May 2025 - Present

- Financial Report Analytics:* Standardized and structured client financial reports to generate key performance indicators (KPIs) and extract actionable insights for strategic decision-making
- Stakeholder Management:* Collaborated closely with clients to understand their financial objectives, aligning analytical deliverables with business needs and driving data-informed decision.

ANDERSON ASSET MANAGEMENT

Los Angeles, CA

Python Instructor

April 2025 – Present

- Quantitative Strategy & Backtesting:* Led hands-on implementation of index replication and factor-based strategies in Python, integrating alpha signals & risk models into backtesting & performance evaluation workflow.

AMERICAN EXPRESS

Gurugram, India

Associate – Quant Analytics & Product Management

January 2023 – June 2024

Associate – Quant Data Analytics

August 2021 – December 2022

- Automated Data Quality & ETL:* Built a real-time Data Quality Health Dashboard using Python (PySpark) and HQL to automate anomaly detection; developed robust ETL pipelines with HDFS to ensure data integrity at scale.
- Data Integration & Feature Engineering:* Designed efficient data pipelines, joining multiple datasets to extract actionable insights for financial analytics & risk modelling.

Intern – Programmer Analyst

January 2020 – June 2020

- Chatbot for service automation:* Developed a self-servicing capability leveraging machine learning to fast-track ticketing requests for the team, leading to a decrease in manual validation by 80%.

PROJECTS

COVID detection using Lung X-rays (University Capstone Project)

September 2020 – February 2021

- Grade Awarded – A+. Implemented a standalone web-based application for COVID-19 detection using lung X-ray scans. Utilized Image Processing and Machine Learning. It predicted COVID positivity with an accuracy of 99.6%.

ADDITIONAL INFORMATION

- Languages:* English (Fluent), Punjabi (Fluent), Hindi (Native)
- Interests:* Connect 4 ELO – 2000+, Block Chain and DeFi, Creative Endeavors (Sketching, Cooking, Digital Art)