

TALHA JAMAL

+44 (0) 787 3466351

tj23@imperial.ac.uk

EDUCATION

Aug 2023 - Aug 2024	Imperial College London <i>MSc Risk Management and Financial Engineering</i> <i>Machine Learning, Financial Statistics, Advanced Financial Statistics, Computation Finance in C++, Stochastic Calculus, Advanced Options Theory, Financial Engineering, Data Structures and Algorithms</i>	London, UK
Aug 2017 - Aug 2020	The University of Manchester <i>B.Eng. Electrical and Electronic Engineering, First Class Honours</i> <i>Mathematics, Numerical Analysis, Concurrent Systems, Signals and Systems, Control Systems, Data Networking, C Programming, Computer Systems Architecture, Embedded Systems</i> <i>Dissertation: Human Activity Recognition using Time Series Data with CNNs and LSTM RNNs</i>	Manchester, UK

WORK EXPERIENCE

May 2021 - Aug 2023	S&P Global Market Intelligence Quantitative Specialist <ul style="list-style-type: none">Gained research experience by modelling quantitative research and portfolio optimization workflows for 20 North American clients, leveraging Compustat, CIQ, and Short Interest DataSimulated proprietary momentum, mean reversion, and factor investing strategies for clients via C++ scripts, reducing runtime by 10% and accelerating portfolio rebalancing for clientsDeveloped python scripts to manipulate time-series and point-in-time data for visualization in Tableau, making an Alteryx subscription redundant, resulting in cost savings of \$100kFormulated a strategy with product management to introduce ClariFI's API to clients, created 5 sample interactive python notebooks and delivered demos and training sessions to clients globallyInitiated a repository and version control system for API and automation scripts, enhancing team collaboration and ensuring efficient organization, retrieval and preservation of codeBuilt strategic relationships with clients by facilitating communication between clients and developers and aligning product features with client requests, resulting in a 100% client renewal rate and \$960k ACV for 10 North American and EMEA clients	Islamabad, Pakistan
July 2019 - Sep 2019	Bykea (Ride Hailing Startup) Data Analyst – Intern <ul style="list-style-type: none">Engineered a solution to distribute performance-driven incentives to high-performing driversAutomated tasks using Batch and PowerShell Scripts, improving team productivity by 5%	Islamabad, Pakistan

ACHIEVEMENTS

2020	Technology Start-up Mentor, Manchester Entrepreneurs <ul style="list-style-type: none">Mentored a cohort of 20 start-ups at AccelerateME, a student led start-up accelerator, culminating in a Demo Day where start-up founders pitched business ideas and products to 500 investors	Manchester, UK
2018 - 2020	EEE Pass Scheme Leader and Coordinator <ul style="list-style-type: none">Lead the Peer Assisted Student Support scheme across the Electrical and Electronic Engineering Department, helping 360 junior students navigate academic and personal lives at university	Manchester, UK

ADDITIONAL SKILLS

IT SKILLS

Programming Languages: Python (Intermediate), C++ (Basic), SQL (Intermediate), R (Basic)
Scripting Languages: Batch Scripts (Intermediate), PowerShell (Basic), Linux/Bash (Basic)
Software: VScode, PyCharm, Databricks, Snowflake, SSMS

LANGUAGES

English (fluent), Urdu (Native), Pashto (Native)

CERTIFICATIONS

Passed CFA Level 1, April 2022

EXTRA CURRICULAR ACTIVITIES

- Reading, Running, Hiking, and Football