

# Talha Jamal

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<https://www.linkedin.com/in/talhajamal/>

## EDUCATION

<b>2022-2023</b>	<b>Imperial College London</b> <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>	<b>London, UK</b>
<b>2017-2020</b>	<b>The University of Manchester</b> <i>B.Eng. Electrical and Electronic Engineering, First Class Honours</i> <i>Mathematics 1E1, Mathematics 1E2, Mathematics 2E1, Numerical Analysis, Concurrent Systems, Signals &amp; Systems, Data Networking, C Programming, Computer Systems Architecture</i> <i>Dissertation: Human Activity Recognition using Time Series Data with CNNs and LSTM RNNs – <a href="#">Link</a>.</i>	<b>Manchester, UK</b>

## WORK EXPERIENCE

<b>2021-2023</b>	<b>S&amp;P Global Market Intelligence</b> <b>Quantitative Specialist, Investment Management</b>	<b>Islamabad, Pakistan</b>
<ul style="list-style-type: none"><li>• Knowledge Expert of ClariFI, a Quantitative Research and Portfolio Management Product.</li><li>• Quantitative Consultant on Factor Backtesting, Algorithmic Trading, Forecast Modelling, Event Study, Portfolio Optimization, and Portfolio Attribution for 10 clients in North America &amp; EMEA.</li><li>• Gained Research Experience in Feature Generation using R and ClariFI's visual query language by evaluating new datasets, such as Short Interest Data, following the S&amp;P and IHS Markit merger.</li><li>• Developed Python Scripts to manipulate time-series and point-in-time data for visualization in Tableau, eliminating the need for an Alteryx subscription, resulting in cost savings of \$100k.</li><li>• Backtested proprietary momentum, mean reversion, and factor investing strategies for clients via custom C++ scripts, reducing runtime by 10% and streamlining month end portfolio rebalancing.</li><li>• Spearheaded the development and integration of ClariFI's API by collaborating with Developers, creating Interactive Notebooks, and delivering engaging API demos to a global client base.</li><li>• Automated tasks using Batch and PowerShell Scripts, enhancing team productivity by 5%.</li><li>• Lead the development of a repository and version control system for API and automation related scripts, ensuring efficient organization, retrieval, and preservation of code.</li><li>• Facilitated communication between clients and the developers by aligning product features with client requests, resulting in a 100% renewal rate and \$960k ACV for clients under my management.</li></ul>		

## ACHIEVEMENTS

<b>2020</b>	<b>Technology Start-up Mentor, Manchester Entrepreneurs</b>	<b>Manchester, UK</b>
<ul style="list-style-type: none"><li>• Mentored a cohort of 20 Start-ups at Accelerate ME, the biggest student led start-up accelerator in the Northern UK, with alumni raising £2.45 million of funding to date.</li></ul>		
<b>2018-2020</b>	<b>EEE Pass Scheme Leader &amp; Coordinator</b>	<b>Manchester, UK</b>
<ul style="list-style-type: none"><li>• Lead the Peer Assisted Student Support scheme across the Electrical and Electronic Engineering Department, helping junior students navigate their academic and personal lives at university.</li></ul>		

## ADDITIONAL SKILLS

### IT SKILLS

Programming Languages: Python (advanced), C++ (Intermediate), SQL (Intermediate), R (Basic)  
Scripting Languages: Batch Scripts (Intermediate), PowerShell (Basic), Linux/Bash (Basic)

### SELECT PROJECTS

Visualizing a Nasdaq Market Order Book using Python – [Link](#).

Practicing Data Structure and Algorithm Exercises from Jay Wengrow's DSA Book – [Link](#).

### LANGUAGES

English: Native, Urdu: Native, Pashto: Native

### CERTIFICATIONS

Passed CFA Level 1, April 2022.

## EXTRA CURRICULAR ACTIVITIES

- Committed to consistent endurance exercises with the goal of running in the 2025 London Marathon.