

Talha Jamal

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EDUCATION

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

WORK EXPERIENCE

May 2021 - Aug 2023	S&P Global Market Intelligence Quantitative Specialist	Islamabad, Pakistan
	<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 Data• Simulated proprietary momentum, mean reversion, and factor investing strategies for clients via C++ scripts, reducing runtime by 10% and accelerating portfolio rebalancing for clients• Developed 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 \$100k• Formulated 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 globally• Initiated a repository and version control system for API and automation scripts, enhancing team collaboration and ensuring efficient organization, retrieval and preservation of code• Built 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	
July 2019 - Sep 2019	Bykea - Ride Hailing Startup Data Analyst - Intern	Islamabad, Pakistan
	<ul style="list-style-type: none">• Engineered a solution to distribute performance-driven incentives to high-performing drivers• Automated tasks using Batch and PowerShell Scripts, improving team productivity by 5%	

ACHIEVEMENTS

2020	Technology Startup Mentor, Manchester Entrepreneurs	Manchester, UK
	<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	
2018 - 2020	EEE Pass Scheme Leader and Coordinator	Manchester, UK
	<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	

ADDITIONAL SKILLS

Programming Languages: Python, C++, SQL, R, Batch Scripts , PowerShell
Tools: VScode, PyCharm, Databricks, Snowflake, SSMS, Git/GitHub
Languages: English (Fluent), Urdu (Native), Pushto(Native)
Certifications: CFA Level 1 (passed April 2022)

EXTRA CURRICULAR ACTIVITIES

- Reading, Running, Hiking, and Football