

KRISH SHAH

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EDUCATION

King's College London

Sep 2024 – Jun 2028

Bachelor of Science in Computer Science with Management & a Year in Industry

London

Expected GPA: 1st Class (1:1)

Relevant Coursework: Data Structures, Databases, Discrete Math II, Computer Systems, Programming Practice & Applications

King George V School

Aug 2017 – May 2024

IB Diploma - 43/45 (Higher Level 7/7s - Computer Science, Math AI, Business Management)

Hong Kong

IGCSEs - 10 A*s/9s

EXPERIENCE

Rare Whisky Holdings

Jul 2025 – Sep 2025

Private Equity Intern

Hong Kong

- Closed **5** deals with **LP's** individually of **£3000** each for alternative investments in whisky cask barrels
- Developed a **LinkedIn** and **Facebook web scraper** to efficiently find **1000+** High Net Worth Individuals with whisky interests
- Conducted research into alternative investment trends, gaining insights into whisky valuation and luxury asset dynamics

Sky Long Artificial Intelligence Company Limited

Jul 2025 – Sep 2025

Medical AI Intern

Hong Kong

- Developed a **convolutional neural network** in Python to analyse X-rays for detecting spinal conditions, achieving **70%** accuracy
- Harnessed **Scikit-Image** and **OpenCV** computer vision libraries for edge and object detection in X-rays to an **83%** accuracy
- Executed extensive data cleaning, training, and testing tasks to prepare over 10 X-ray datasets for machine learning

King's Investment Society

Jan 2025 – May 2025

Equities and Trading Research Analyst

London

- Sole Global Market researcher, delivered **5-page** weekly insights covering Equities and FICC markets, including all derivatives
- Published **weekly** research on an Instagram account with **1100+** followers, gaining an **11%** increase in followers since joining
- Leveraging economic theory to explain market movements and hypothesise future changes to the US, European, and Asian markets

Global Student Mentorship Centre

Jun 2024 – Dec 2024

Personal Tutor - IB/IGCSE

Hong Kong, Remote

- Directed **4** IB computer science students through extensive coursework projects with logic and algorithmic problems
- Up-skilled 8 students in business theory and exam techniques for *case studies*, enabling the formulation of *consulting* responses to long-answer exam questions, **increasing** 4 students' university **predicted grades by 1**

PROJECTS

Neural Network Stock Predictor | Python, Jupyter Notebook

Jan 2025 – Present

- Created a **feed forward neural network** model using **PyTorch** and **tensors** to predict a rise or drop in **Gold Futures** (GC=F)
- Used a Binary Cross Entropy Loss and the Adam optimizer; loss visualised using **Matplotlib** graphs. Currently at a **79%** accuracy
- Implemented **NumPy**, **pandas dataFrames**, and **sci-kit learn** to facilitate shifting and preparing data for training and testing
- Deployed features such as moving averages, RSI and various economic indicators from large datasets for projections

Bank Account Database | MySQL, VS Code

Aug 2024

- Constructed a sample banking database system using **MySQL** to simulate a bank account's functions
- Designed **triggers** to **simultaneously update** both users' accounts and check balances to avoid fraud and hacks
- Fabricated **40+ queries** to sort and filter through data, and indexes to **speed up** query retrieval time by **0.6 seconds**

Diamond Management Inventory System | Java, Eclipse, NetBeans

Oct 2022 – Apr 2023

- Designed an **OOP-based** system with **dynamic data structures** (Linked Lists, Queues, HashMaps) for efficient stock management
- Developed a **GUI** for transactions using **javafx.swing**, with optimised sorting $O(n \log n)$ and searching $O(\log n)$
- Integrated the **JFreeChart** library to visualise summaries and predict future prices to a **60% accuracy** from averaging

SKILLS & INTERESTS

Hard Skills/Languages: Python, Java, SQL | English (fluent), Hindi (fluent), Gujarati (fluent), Mandarin (novice), French (novice)

Developer Tools: VS Code, IntelliJ IDEA, Eclipse, Jupyter Notebook, MySQL, Git, GitHub

Packages/Libraries: Java Collections Interface, javafx.swing, Pandas, NumPy, Matplotlib, Scikit-learn, PyTorch

Certifications: DataCamp Python Data Fundamentals, Bank of America IB Job Simulation, AmplifyMe Finance Accelerator

Awards: ESF IB Excellence Chairman's Award, 2023 UKMT Senior Math Challenge Silver Award, IGCSE Business Award

Sports & Interests: University LUSL 2 Tennis Team, Solving LeetCode Problems, Cycling, Badminton, Formula One

Head of King's Quant Society Corporate Relations