Raghib Mirza

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EDUCATION

University College London | BSc Computer Science– First Class Honours (81% Average)　　　**Sep 2018 - July 2021**
　　Notable Modules: Discrete Mathematics (99%) | Machine Learning for Visual Computing (96%) | Mathematics & Statistics (93%).
　　Awarded the Dean's List for outstanding academic performance, and scoring in the top 5% of the engineering cohort.

Ernest Bevin College　　　**Sep 2011- July 2018**
　　A Levels: Maths, Further Maths, Physics (A*A*A)
　　AS: Maths, Further Maths, Physics, Philosophy, Ethics & Islam (AAAA)
　　GCSEs: 8 A*, 4A
　　Awards: First in the year for GCSEs, AS and A-Levels, Senior Prefect, Wandsworth Borough Exceptional Achiever

EXPERIENCE

Davide Leone and Partners Investment Company | Data Scientist　　　**Since Dec 2021**
- Modelled COVID-19 figures to assess and predict the impact of variants and cases on the hedge fund and financial markets.
- Developed and fully automated several in-house scripts for reports including alpha/beta risk reports and market shock return reports.
- Created web scrapers to extract data from several websites such as the London Stock Exchange and the US federal reserve board's website.
- Refactored code infrastructure, implementing concurrency (multi-threading) where appropriate which increased daily performance by over 90%.
- Implemented a testing framework from scratch using the Python unittest module.
- Led a Greenfield NLP and Machine Learning project as part of a comprehensive overview of sentiment analysis. Use Python libraries SpaCy, NLTK, TextBlob and Flair, to construct different methods of extracting meaning from large texts, and created a model to predict interest rates in the US.

Deutsche Bank | Summer Analyst (Technology, Data and Innovation)　　　**June 2021-Aug 2021**
- Placement in the Debt Capital Markets team on DB's bond issuance platform (DBSyndicate) using technologies including Java (Springboot), Jenkins, Kubernetes and Docker.
- Programmed a Symphony bot in Java which can track change and incident tickets for developers.
- Competed in Google Cloud's US/UK BigQuery, Analytics and Machine Learning competition.

inState | Founding Member and Web Dev Lead　　　**May 2020- Aug 2021**
- Programmed front and back-end of the online portal using Bootstrap HTML, React and Django.
- Implemented a marketing strategy to outline the collective long-term vision for the organisation.
- Onboarded and managed a team of developers to optimise the web app and implement DevOps.

BlackRock | Technology Intern　　　**June 2018- July 2018**
- Gained an insight into various intra-firm infrastructure support functions by networking with individuals in the Aladdin Product Group (BR's application software division)
- Programmed Raspberry Pi AI robots to manoeuvre around a track.
- Built custom websites using HTML, CSS and JavaScript.

ADDITIONAL EXPERIENCE
- Treasurer of the UCL Pakistan Society
- Royal Television Society Technology Scholar
- Lloyds Scholar
- Facebook Hack-a-Project participant
- Volunteer at the British Heart Foundation
- Audited Harvard CS50's 'Intro to AI with Python' and 'Mobile App Development with React Native'.

INTERESTS & SKILLS
Languages: English (native) | Urdu (native) | Punjabi (intermediate) | Hindi (intermediate) | German (basic) | Spanish (basic)
Programming: Python* | Java* | C | *Certified by HackerRank*
Please visit my website to view my personal project portfolio https://raghib.co.uk/#works.
Interests & Hobbies: Pace bowler for Roehampton Cricket Club (Best figures 4-42), Philosophy and Theoretical Physics.