HAMZA NADEEM

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Technical Skills

- Databases: I have basic knowledge of using SQL which I have acquired through online courses and videos.
- Programming: I have gained programming skills throughout my degree at university as well as learning in my own time. I have proficiency in using MATLAB and have a sound knowledge of Python. I have knowledge of using Pandas which is a data analysis tool in Python and use libraries such as Matplotlib and NumPy for computation and visual aids. I also have good Microsoft Office skills, particularly Excel from a course I undertook at the Technical University of Munich.
- Machine learning: I have used Weka which is a data-mining tool to create classifiers and clusters which have helped me in understanding data-science. In addition to this I have used MATLAB for data analysis and have more recently focused on Python libraries such as PyTorch, Tensorflow, Keras, Sci-kit Learn, NumPy, and others. I have completed various ML and DL projects at university as well as in my own time.
- Logical thinking: Having done a degree in Mathematics I have strong logical thinking, problem-solving and analytical skills which aid me in tackling problems both technical and non-technical.
- Communication: I have strong verbal and written communication skills from my schooling, as well as working in various jobs and environments.

Education and Qualification

Sept 2016 – June 2020   **Aston University, Birmingham, UK**
BSc Mathematics Hons with a Placement Year Abroad (Study)
Degree Class (Achieved): Upper Second Class (2.1) Honours.
Modules: Data Mining, Statistical Machine Learning, Time Series, Financial Mathematics, Game Theory, Network Science, Approximation Theory and Methods, Quantum Computing, Partial Differential Equations, and others.

Sept 2018 – Sept 2019   **Technische Universität München (TUM), Munich, Germany**
Erasmus Placement Yr Study Abroad Scheme. **Mechanical Engineering** at Bachelor and Master level.
Modules: Internal Combustion Engines, Nuclear Energy, Wind Energy, Thermal Power Plants, Microsoft Excel Certified Course.

Sept 2014 – June 2016   **The City of Leicester College, Leicester, UK**
A-Levels: Mathematics **(A),** Further Mathematics **(C)** and Physics **(D)**

Sept 2009 – June 2014   **Crownhills Community College, Leicester, UK,**
GCSEs: 7 GCSEs (grade A* – C) including Mathematics (A), Further Mathematics (A*) and English Language (B).

Work Experience

August 2019 – July 2020   **Fakir Halal Donner, Birmingham, UK – Data Analyst (Business & Strategy)**

- As a business analyst I used my knowledge and experience of data analysis to assess the business model of the company and deliver data-driven reports in an organised and presentable manner.
- I used MATLAB and Python for forecasting and budgeting using previous data. This included pricing of the products and cost benefit analysis.
- I also used quantitative techniques to find the ideal freight strategies for the logistics side of the business. I handled logistical aspects such as network design, forecasting, and warehousing for which I mainly used Python with the NetworkX library for networks.

Sept 2019 – March 2020   **Aston University, Birmingham, UK – Student Ambassador (Part Time)**

- I aid first year mathematics students during tutorials by helping them to understand the lecture in an interactive way and to teach them how mathematical theorems, definitions and proofs are used to solve problems.
- I help the professor in planning the tutorial and making sure students are following and understanding the work that is set. This often includes writing up my own solutions to explain the content more comfortably.

June 2017 – Sept 2017   **Amazon Fulfilment Centre (BHX2), Coalville, UK – Warehouse Operative**

- Drove mechanical vehicles around the Fulfilment Centre and was expected to be safe and sensible.
- Packed goods into boxes making sure they were safely and securely assembled up to the standard that Amazon requires from their associates.
- Worked in a very fast paced environment where I was always moving around and on my feet.
- Was always required to be focused and on task to keep on schedule and not fall behind.

June 2016 – Aug 2016   **Amazon Logistics (DNG1/SNG1), Coalville, UK – Warehouse Operative**

- Duties included cleaning up, sorting out packages and using a pump truck to transport pallets around the warehouse.
- Worked in teams and individually to sort up to 20,000 packages a night and was expected to work overtime if necessary.
- Since Amazon's services rely on time and efficiency, I was always moving around and doing different jobs.