Aavash Subedi

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EDUCATION

University of Manchester   Manchester, UK
MPhys: Physics   2020- 2024
Cumulative GPA: 84.5
Relevant Coursework: Programming, Linear Algebra, Data Science, Multivariate Calculus, Statistics

Reading School   Reading, UK
A Level   2017 - 2019
Mathematics(A*), Physics(A), Further Mathematics (A), Chemistry (A)

Bulmershe School   Reading, UK
GCSE   2012-2017
Mathematics (9), Additional Math (A), Computing(A*), Physics(A*), Chemistry(A*), Biology(A*), English Literature (8), English Language (6), French(B)

WORK EXPERIENCE

Electrical Engineering Department, University of Manchester   Manchester, UK
Student Experience Intern: *https://github.com/Arrancara/MagfieldCalcu*   June 2021 – August 2021
- Part of the Electromagnetic Sensing Group working towards creating a smart metal detector for more accurate, efficient, and cost-effective security screening.
- Designed, developed, and published a python package on Git, allowing users to quickly find the magnetic field around a 2D shape.
- Reviewed scientific literature to find suitable packages to match the projects' needs. Tested the package against pre-existing software (ANSYS Maxwell) to check for accuracy and efficiency.

Barclays Bank   Reading, UK
Essential Banker   November 2019 – July 2020
- Essential Banker within the branch network providing support and solutions to customers.
- Facilitated the flow of customers in the Banking Hall, improving efficiency and the branches Net Promoter Score.
- Guided customers with opening accounts, ISAs, and other Barclays' products.
- Followed procedure to protect customers' finances, providing options to help vulnerable customers with finances.

VOLUNTARY EXPERIENCE

Hulme Hall, Junior Common Room Association (JCR)   Manchester, UK
Treasurer   June 2021 - Present
- Maintaining and monitoring the financial records of the JCR; supervising all income and expenditures.
- Signatory for the JCR's funds at the Students' Union, ensuring that expenditures are in accordance with financial regulations.
- Preparing the Annual budget in collaboration with the President.

Projects:

Airport Waiting Times   Manchester, UK
Team Lead, S.E: https://github.com/Arrancara/MachineLearningGUH2021   November 2021 – November 2021
- Trained machine learning models to predict the waiting times for customers to pick up rental cars from airports as an entry for the GreatUniHack (GUH2021).
- Cleaned the dataset and tested multiple machine learning models for accuracy.
- Achieved an accuracy of 98% using TensorFlow and Keras.

Project NAVI   Reading, UK
Team Lead   March 2016 – April 2017
- Participated in a Google initiative to design a socially beneficial smart watch for the elderly.
- Pitched to O2 to secure funding as well as Uber for software integration.
- Designed the hardware of the smart watch and produced a prototype.

Skills/Certifications
- Python, SQL (BigQuery), Tableau, Excel/Google Sheets
- English, Nepalese
- Google Data Analytics Certificate, Jovian- Data Structures and Algorithms in Python
- Udemy- Complete ML and Data Science Bootcamp (In Progress)