

Adam Usmani

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PROFILE:

A data science enthusiast holding a master's in Big Data Technology and over five years of industry experience working with data. Actively seeking opportunities to advance my career within data science.

EDUCATION:

Hong Kong University of Science and Technology

(September 2020 – August 2021)

#27 in QS Global World Rankings 2021

MSc in Big Data Technology (CGA: 3.41)

Relevant modules:

Foundations of Data Analytics,
Big Data Computing,
Data Mining and Knowledge Discovery,
Mathematical Methods for Data Analysis,

Machine Learning,
Natural Language Processing,
Data Visualization,
Statistical Prediction

NOTABLE PROJECTS

XAI and Adversarial Examples (Independent Summer Project) (June 2021 – August 2021)

- Testing several adversarial attack methods and investigating whether XAI methods can differentiate between adversarial inputs and benign inputs using python.

(Group projects)

- Activity Classification in Smart Homes using Big Data Technology Azure Databricks
- COVID-19 Vaccination Visualization Dashboard using visualization software Tableau and G2
- Rap Lyrics Generation using Deep Learning Approaches on Python
- Cryptocurrency Prediction using Python

Heriot Watt University

(2013 – 2017)

BSC Mathematical, Statistical and Actuarial Sciences: 2.1

Boroughmuir High School, Edinburgh

(2007 – 2013)

- 8 Standard Grades grade 1-2 including Maths, English and Science
- 6 Scottish Highers grades A-B including Maths and Science
- 2 Scottish Advanced Highers grades A-B including Maths and Science

TECHNICAL SKILLS

Tools: Excel, MS Office, Azure, GCP, Databricks,
Apache Spark, SPSS, SAS, Data Robot, LaTeX, Q

Web Technologies: XML

Databases: MySQL, Hive

Languages: Python, R, SQL, MATLAB, JavaScript

Visualization: Power BI, Tableau, D3, G2

PROFESSIONAL EXPERIENCE:

Bupa: Data Scientist

(February 2022 –Present)

- Utilizing NLP techniques in Python to extract valuable insight from a large-scale webchat dataset. Tasks included meticulous data cleaning, category building, sentiment analysis, applying cosine similarity and linking it to the interactions dataset to understand member activity.
- Pioneering the highly successful Coffee & Chat initiative for data science enthusiasts at Bupa. This initiative has been running since May 2023 and has seen a record number of people request to join the Decoded Data Science platform. It has allowed me to host my own knowledge share sessions and engage global audiences.

- Leveraging Azure Open AI Service to develop innovative Generative AI solutions. Communicating with stakeholders to discover new potential use cases. Additionally, employing Streamlit to experiment and develop interactive applications for exploration.
- Serving as a Data Science Mentor for the global B-Disruptive hackathon. Providing guidance to international teams ideating use cases where Generative AI can be implemented at Bupa.
- Partnering the winners of the B-Disruptive hackathon in a post-hackathon initiative to explore further avenues where Generative AI can revolutionise company processes.
- Developing a binary classification model using Data Robot, contributing to the live proving of the automated pre-authorization process, and building a dashboard in Tableau to track performance.
- Contributing to the interviewing process for interns through the HDRUK Black Internship Programme and working with employees of HDRUK to design challenging tasks to set the interns.
- Representing peers as a dedicated People Champion within UKI D&A.

The Hong Kong Polytechnic University: Internship

(June 2021 – August 2021)

- Working alongside PhD students in the Building Services Engineering department.
- Contributing to research projects on Big Data Analytics.
- Using machine learning models to predict building energy consumption on python.

WarnerMedia: GDPR Data Analyst (contract role)

(March 2020 – August 2020)

A GDPR Data Analyst working in the UK based GDPR team at a leading media and entertainment company.

- Using OneTrust platform to manage GDPR Compliance across the company.
- Interviewing stakeholders from EMEA, LatAm and APAC to carry out data mapping exercises.
- Performing analysis of processes, data flows and systems against GDPR to identify compliance gaps.
- Producing article 30 reports for the business regions.

Motif: Data Analyst

(August 2018 – March 2020)

An Analyst within the LBG (Lloyds Banking Group) team at loyalty insights agency

- Using LoadIt software to create sampling packages for processing datasets (up to 200,000 records).
- Using SQL to draw out specific insights from data sets.
- Using SPSS to create weekly/monthly output for client reports.
- Performing correlation analysis on survey data.
- Using XML to script surveys for online jobs.

Opinium Research: Data Processing Executive

(October 2017 – July 2018)

The sole Data Processing Executive at an award-winning strategic insight agency

- Expert for market research software tools - Research Studio and Superdig.
- Using market research software Q to structure data and create data tables.
- Applying weighting to datasets to obtain accurate national representation of the spread in the data.
- Training the team on new software platforms and managing functionality issues with the supplier.

INTERESTS:

- Exercise: Regular gym goer and avid runner.
- Sport: Passionate football and tennis fan.
- Cooking: Enthusiastic home chef.
- Travelling: Explorer of bustling cities around the world.
- Self-learning: Committed to self-improvement through continuous learning