HAMZAH JAVAID

LEAD DATA SCIENTIST

| 7 NORRICE LEA, HAMPSTEAD GARDEN SUBURB, N2 0RD |

Experienced Lead Data Scientist with a passion for philosophy and 6+ years in data science at a top UK energy firm

EDUCATION

University College London, UCL | Sept 2011 – May 2016
Master of Chemical Engineering (MEng)

Said Business School, Oxford University | Sept 2021 – Jan 2022
Executive Education: Algorithmic Trading Programme

EXPERIENCE

Lead Data Scientist | Centrica — Oct 2018 – Present

Centrica Energy, Project: Short term Unidentified gas (UIG) forecasting

- Orchestrated the development and deployment of a daily non-half hourly gas consumption model with advanced machine learning techniques, including CI/CD pipelines and robust monitoring for optimal accuracy.
- Developed a POC model that achieved a 5-7% mean absolute percentage error, leading to its implementation in production.

NEAS Energy, Project: Biogas Fuel level Prediction & Optimisation

- Delivered an end-to-end R prediction package to the algo trading team, generating over £10k in profit within the first month
- Lead Data Scientist on team engagement with NEAS Energy, managing stakeholder groups internationally
- Nominated for an internally sponsored patent, IP, demonstrating the effectiveness of optimizing biogas fuel levels

Centrica Services, Project: Predictive Maintenance – Boiler failure

- Led a team of data scientists and engineers to produce an R Shiny dashboard predicting boiler part failure, comparing refurbished vs new parts, and identifying anomaly orders and part order associations.
- Implemented a predictive maintenance trial that reduced unplanned downtime by 5% and saved the company over £300k per annum

Centrica Services, Project: Engineer Job Time Optimisation

- Achieved an impressive 15% reduction in job times, resulting in cost savings of ~£200k p.a, through innovative experimental design.
- Led and coached a team of data scientists to operationalize an end-to-end machine learning model leveraging the Azure ML platform.
- Presented the project at company conference, winning recognition for significantly reducing costs and improving field efficiency.

Graduate Data Scientist | Centrica — Oct 2016 – Oct 2018

- Graduate Training Programme – DTS Class of 2016

LEADERSHIP

Line management of Junior Data Scientist and 3 graduate Data Scientists

- Successfully managed a team of junior and graduate data scientists, supporting their professional development.
- Hiring & interviewing new team members, resulting in the successful recruitment of top talent

Established and led collaborative team for Centrica's Data Science Services & Solutions

- Fostered strategic partnerships and engagement with Microsoft Business Partner driving innovation and ML best practice
- Spearheaded the implementation of Azure DevOps and agile (scrum) team methodologies.

Led Training seminars throughout 2020 - 2023 across the country

- Delivered R and Pyspark seminars in London, Cardiff, & Surrey, empowering over 30 staff members across departments.
- Conducted 'Understanding the Power Market' workshops for new hires to facilitate knowledge acquisition.

CERTIFICATIONS

Professional Agile Leadership | Azure Data Scientist Associate | Azure AI Engineer Associate

INTERESTS

- *Member of Royal Institute of Philosophy*

  Short courses at University of Oxford: Philosophy of Science (200 hours) , Public Policy Economics (200 hours)