Ibrahim Mukherjee

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LinkedIn :- https://www.linkedin.com/in/ibrahim-mukherjee-7b544b242/

Github :- https://github.com/Ibrahim-Mukherjee

Data engineer with 5 years of experience in designing, building, and maintaining data pipelines and systems. Strong skills in SQL, Python, and Big Data technologies. Proven track record of delivering high-quality data products on time and on budget.

PROFESSIONAL EXPERIENCE

CONTRACTING
London and Amsterdam

Data Engineer (September 2021-Current)

- Healthcare Data Scientist – Clinical Trial Firm Python Developer. Looking at patterns in NHS board papers for critical issues like systemic problems in healthcare, high incidence rates of a disease in an area, facilities issues that are endemic to the NHS.
- Supply Chain Data Scientist – Chemicals Manufacturing Firm – Deep learning, Tensor Flow Model and XG Boost Model for price estimation and demand sensing. Computational Model for discrete supply chain modelling including inventory amounts. Working in AWS with large data sets. Looking at using PySpark as well as creating a supply chain model using machine learning. Working to production-ize code on AWS currently.
- Insurance Index – A country based index of Insurance for the subsidiary AXCO which ranks countries on a matrix of factors including GDP, Geopolitical stability, access to infrastructure etc. Used open source data from the IMF and World Bank as well as closed source data.

BRITISH AIRWAYS
London

Data Scientist (September 2019 – September 2021)

- Keyword Classifier for Engineering ADD Defects– Built a classifier to understand defects which occur on an air-plane cabin with the aim of improving pipeline to fix it. Parallel work-streams in SAS and Python. Keyword list of faults in SAS contextual analysis successfully built. Logistic Regression Classifier, XGBoost Classifier built in Python. Current project running on Jupyter Notebook transitioning to AWS.
- NLP based Topic Analysis – Built a NLP pipeline to pick up IATA data and check which countries UK citizens are allowed into, what type of tests were required (PCR vs Antigen tests) and what were the quarantine requirements. Built on Jupyter Notebook in production now.
- Trends Analysis for ADDs in Python – Conducted a Trends analysis to understand which type of aircraft and which months of the year ADDs are higher to optimize maintenance schedules.
- Tableau Dashboard for COVID-19 – List of all parked aircraft geo-located with outstanding engineering defects against each one. Developed a risk matrix to rank all engineering faults
- NPR Score on customer feedback – Used Shapley Regression on NLP data and customer feedback to ascertain BA's Net Promoter Score for Python.

SOFTWARE ENGINEER, DATA ENGINEER & FINANCIAL ANALYST
London and Norway

- Developed two startups in 3D printing and Neurotech. Two pending patents. Wrote code in C#, and developed databases in SQLLite.
- Worked at Quintessentially with Microsoft SQL, Salesforce and Python Technologies – developed a data science stack in Python as well as working with API's from Zomato. Roles included consulting management, writing code in VBA and Python to automate tasks, build classifiers, regressors and recommendation systems.
- Financial Analyst in Oil and gas for 8 years working with large data sets and statistical tools. Worked in Norway managing $2 Billion Knarr FPSO project.
- 5 Book publishing deal with Doleman Scott secured in writing technical books in Data Science and Data Engineering.

EDUCATION

University of The People   **USA**
Associate Degree in Computer Science, essential modules for Data Science and Data   *Sept 2021*
engineering completed including Python, Java, Javascript, Hardware, Operating Systems.
Honours :- 100% in Maths Final Exam

REFERENCES

British Airways HR Team, Quintessentially HR Team, DSM HR Team.

ADDITIONAL QUALIFICATIONS

- IBM Data Engineering Certificate
- Hyperion Dev Software Dev. Graduate
- BSc. In Management from the LSE
- Fluent in English
- Ran London Marathon 2014
- Published in the Artificial Intelligence Journal thoughts on Computing :- https://aijourn.com/author/ibrahimm/

Dear Recruiter,

I am writing to express my interest in the Data Engineer position at [Company]. As a highly skilled data engineer with 5+ years of experience in designing and implementing data pipelines, building data warehouses, and optimizing data analytics processes, I am confident in my ability to make a significant contribution to your team.

In my recent roles as a contractor, I have gained extensive experience working with big data technologies such as Hadoop and Spark, as well as with a range of data storage and processing platforms including AWS, Azure, and Google Cloud Platform. I have also demonstrated strong programming skills in Python and SQL, and have a proven track record of delivering high-quality, scalable data solutions for a range of industries.

I am excited about the opportunity to bring my skills and experience to [Company] and contribute to its success. Thank you for considering my application. I look forward to the opportunity to discuss how I can contribute to your team further.

Sincerely,

Ibrahim Mukherjee