MUHAMMED ABDUL-HAMEED

Data Engineer

ABOUT ME

I first encountered the benefits of Data Analysis at Deutsche Bank. My interest was sparked after reading into the subject and especially its role in machine learning, I knew that this was a revolution I wanted to be involved with.

The endless implications of Big Data fascinate me, i.e. using images of crops to determine the best time for harvesting and modelling future sales volumes based on relevant data.

Outside of work, I am a huge tennis enthusiast and a member of St Mary's Tennis Club. I have competed in tournaments and enjoy the challenge of constantly improving and sharpening my skills.

I am an active member of The Richmond in Europe Association which creates cultural links between the UK, France and Germany. I will travel to Konstanz in November 2017 to discuss issues such as the Brexit with other members of the council for France and Germany.

CONTACT US

Kubrick Group

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OVERVIEW

Graduating from King's College London with a Mathematics Degree has equipped me with practical analytical skills. Statistics and Discrete mathematics covered important ideas in analysing data and the computational power of algorithms.
In the summer of 2016 I worked as an Operations Support Analyst at Deutsche Bank, where I used Linux and SQL to query large volumes of fixed income trade data and maintain smooth functioning of the trading systems.
This is also where I began learning about Big Data, and the benefits that it can bring in an increasingly evolving technological age. That is when my interest in Data Engineering was sparked.

WORK

DATA ENGINEER – KUBRICK GROUP, LONDON
March 2017 – present
In addition to intensive learning, whilst at Kubrick I have worked in agile teams on many client projects deepening the skills I have learned.
The Data projects which I have worked on have proven my skills in efficiently engineering very large datasets across a cluster. This has enabled me to deepen my analytical skills, both through data visualisation in Tableau and Plot.ly and through predictive modelling using the Python SkLearn module.
Examples of value I have added to businesses include insight derived from real time streamed social media analytics, as well as predictive insights extracted from client side data warehouses.

PYTHON PROGRAMMING – SELF-TAUGHT
November 2016 – March 2017
Learning Python allowed me to apply mathematical principals and logic to coding problems. I did this after accepting Kubrick's offer and leaving Deutsche Bank.

OPERATIONS SUPPORT ANALYST – DEUTSCHE BANK, LONDON
April 2016 – October 2016
Liaised with various internal and external teams globally to solve critical, time sensitive issues. Used LINUX and SQL to troubleshoot problems with data feeds and verify data integrity.
Geneos Project – Removing alerts from application monitoring
Geneos flagged many errors which were either no longer of importance due to decommissioning of applications, or were not being dealt with. Had to collaborate with the developers and network teams to prevent an over flow of alerts and have enough storage for log files.

Volunteer – Cancer Research UK
September 2015 – October 2015
Assisted in the pricing of items and keeping the shop floor accessible to the public.

Shadowing a trader – RBS
September 2015
Sat on the trading floor for a week with a trader to learn about asset classes and different divisions within Investment Banking.

EDUCATION

BSC MATHEMATICS 2:1, King's College London
September 2012 – June 2015
Important modules studied
Financial modules: Brownian Motion, Ito's Lemma, Markov Chains and the Black-Scholes Model.
Quantitative modules: Quantum Mechanics, Special and General Relativity, Electro-magnetism, Statistics
Pure Mathematics modules: Analysis, Linear Algebra, Geometry
Third Year Presentation – Number Theory, Euler's Theorem
Presented the solution to a problem regarding the number of divisors of large integers

KEY SKILLS

I am experienced and qualified in the following technologies and disciplines:

Data Skills:	SQL, Python, Pandas and SciPy, SkLearn, Tableau, Plot.ly,Hadoop, Apache Spark & MongoDB
Security Skills:	Git, Security and Kerberos, SSH & Linux, GDPR
Data Warehousing:	Data Warehousing in T-SQL, Hive & Kimball methodology
SDLC:	Agile, problem solving
Documentation:	LaTeX and Markdown
Soft Skills:	Presentation skills
Specialisms trained in:	Retail, AML, Credit Risk
Certifications:	Cloudera Certified Associate (CCA) Hadoop & Spark Developer