

OVERVIEW

I recently graduated from University of Manchester in mathematics. In my final year at university I started looking for a career path that would test me intellectually and give me the ability to make a positive impact.

I first came across Big Data when attending networking events towards the end of my studies and was instantly fascinated by the industry.

After numerous assessments and interviews I was pleased to join Kubrick Group to complete the Big Data Engineer Programme, to better prepare me for working productively on technology projects after academia.

WORK

BIG DATA ENGINEER – KUBRICK GROUP, LONDON

At Kubrick Group I gained experience and qualified in: Professional and Communication Skills, IOC (Investment Operations Certificate) Level 1, Advanced Excel, Web Application development (UI/UX, JavaScript, CSS and HTML), Agile and SQL.

I then specialised in the Big Data Engineering course leading to accreditation as a Cloudera CCA Developer.

August 2016 - present

I worked on Big Data projects which exercised my skills in data ingestion and processing using Hadoop EcoSystem tools such as Sqoop, Flume and OpenSource Python Libraries including Pandas and Twython. We cleansed and munged data after exploratory data analysis through Python libraries including Plotly and Pandas then moving onto Spark to process, transform, analyse and stage the data into HDFS.

Projects included:

MetOffice Weather Data: involving Python API and Twitter processing into HDFS followed by further processing in the Hadoop Ecosystem.

Police Crime Data Analysis involving SSIS processing, SQL Analysis, and presentation through custom web front end.

EDUCATION

THE UNIVERSITY OF MANCHESTER, BSC (HONOURS) MATHEMATICS – 69.6%

September 2013 – June 2016

During my three years at university, I approached a range of different problems in an analytical and rigorous way. I formulated theories and applied them to solve problems, as well as dealing with abstract ideas in modules such as Commutative Algebra and Algebraic Geometry.

I also developed my ability to solve complex problems; a fundamental skill to tackle challenges on a day-to-day basis as a Big Data Engineer, in courses such as Asymptotic Expansions and Perturbation Methods.

KEY SKILLS

Python Libraries (Anaconda):

PyMongo, Pandas, Numpy, scikit learn, Plotly and Twython

Cloudera Hadoop version 5.4:

HDFS, Yarn, Sqoop, Flume, Avro, Parquet, Impala, Hive and Hue

NoSQL:

MongoDB. API with PyMongo

SQL:

SSIS, Advanced T-SQL and Stored Procedures

Apache Spark:

RDD, DataFrames, SparkSQL, PySpark with some exposure to and understanding of Scala

Source Control and IDE:

Git, SourceTree and Git Extensions, PyCharm

Other Skills:

Linux CentOS 6, SSH, Putty, Agile, JSON and BSON, Python Pickle and Shelve



DATINDER SEKHRI

Big Data Engineer

ABOUT ME

I enjoy playing and watching a range of sports and am particularly proud of my time as an Olympic Weightlifter; where I competed to a national standard.

I think you can learn a lot of from the world of sport. You realise that with hard work and discipline, you will be able to achieve any realistic goals that you have set. There are no excuses.

In the field of data I am particularly interested in how Big Data can change businesses and peoples life's for the better.

The possibilities are enormous in, for example, the Healthcare system. With an integrated technology system, doctors, hospitals and health plans will be able to deliver evidence-based care that is more coordinated and personalised towards the patient. Hence, improving performance in prevention and care coordination.

CONTACT US

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