Mujahed Ali Hashimi **Syed**

COMPUTER ENGINEERING GRADUATE STUDENT

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Education

Arizona State University   *Tempe, USA*

M.S. IN COMPUTER ENGINEERING (COMPUTER SYSTEMS)   *Aug 2019-ongoing*

Manipal University Jaipur   *Jaipur, India*

B.TECH IN ELECTRONICS AND COMMUNICATION ENGINEERING   *Aug 2015-Jun 2019*

Skills

Programming and Scripting Languages	Python, C, MATLAB, R, SQL, Shell Scripting, LaTeX
Web Development	HTML, CSS, ReactJS
Data Visualization	Tableau, Power BI, matplotlib, seaborn, plotly
Data Processing	MS Excel, pandas, numpy, sqlite3, psycopg2, Alteryx, Apache Spark
Certifications	Tableau Desktop Specialist
Machine Learning Frameworks	scikit-learn, keras, tensorflow

Projects

Hotspot and Hotzone Analysis

COURSE PROJECT (GROUP PROJECT) FOR CSE 511 - DATA PROCESSING AT SCALE (SPRING'20)

- The requirement of phase 1 was to develop and run multiple spatial queries on a peer to peer taxi firm's large database that contained geographical data as well as real-time location data of their customers. Our team implemented two user defined functions "ST_Contains" and "ST_Within" using SparkSQL in Scala and use them to run four spatial queries. I did the entire testing for this phase.
- For the second phase of the project we implemented two major tasks using SparkSQL. The two tasks were: 'hot zone analysis' and 'hot cell analysis'. The hot zone analysis uses a rectangle dataset and a point dataset. For each rectangle, the number of points located within the rectangle will be obtained. The more points a rectangle contains, the hotter (and more profitable) it will be. The 'hot cell analysis' applies spatial statistics to spatio-temporal Big Data in order to identify statistically significant hot spots using Apache Spark. I was responsible for the testing of this phase too.

Survey Data Response Dashboard

DATA VISUALIZATION PROJECT USING TABLEAU DURING MY INTERNSHIP AT DELOITTE (2018)

- Cleaned the raw data obtained in the form of responses from the data protection and risk readiness survey conducted by Deloitte for their clients.
- Created visualizations that answered questions such as what percentage of organizations among the participants have a well defined risk strategy, the sector wise (automotive, telecom, life sciences,etc) count of the organizations that took part in the survey,etc.
- Also, created word clouds in tableau that displayed the names of the challenges faced and risk readiness strategies implemented by the survey participants.

Sales and Profit Dashboard

DATA VISUALIZATION PROJECT USING TABLEAU - HOBBY PROJECT (2020)

- Analyzed the data from tableau's sample superstore data set and built interactive data visualizations.
- The interactive dashboard can be used to get details like whether a particular state or a group of states doing good or bad sales and profit wise, which category of products has the highest sales and profits etc.

Experience

Ericsson India   *Gurgaon, India*

ENGINEERING INTERN   *January 2019 - July 2019*

- Developed python and shell scripts to collect and process large volumes of Call Data Records(CDRs) from different nodes in telecom networks.
- Performed data visualization of CDRs to extract important insights.

Deloitte Touche Tohmatsu India LLP   *Mumbai, India*

DATA ANALYST INTERN   *May 2018 - July 2018*

- Preprocessed raw data from various sources in order to make it usable for analytics.
- Developed interactive data visualization dashboards using Tableau and Power BI.
- Incharge for technical project documentation.