Vishal D Mehta

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System Engineer

SUMMARY

Versatile Systems Engineer with over 4 years of cross-functional leadership in implementation, validation and deployment of large complex systems.Data Science is reshaping world with its raw data into valuable information in various industries like finance, healthcare and engineering and I would like to control this through the application of data analytics and statistical sorting. I aspire to add business value by predicting demand, increasing engagement, automating tasks and optimizing marketing campaigns.

KEY SKILLS

• Data Analysis •Solid Communication Skills and Team Player • Software Development • Quality Assurance
• Data Mining •Data Management & Modelling • Process Improvement • Data Visualization

TECHNICAL SKILLS

Tools/Languages: Python,R, SQL,Unix , Java(Intermediate),Tableau, Hadoop,Spark,Hive,Amazon Redshift,Sqoop
Database: SQL Server 2008, Oracle 11g, MySQL,HBase,MongoDB
Certification: Oracle Database and Weblogic 11g Administrator Certified Associate Certification
Proficient in Microsoft Office (Word, Excel, PowerPoint, Outlook)

KEY PROJECTS

Domain: Startup Demand Prediction| Tech Stack: **Python**| Jan'21
- **Online Bike Rent Demand where** Developed a Multiple linear regression model for prediction of demand for shared bikes depending on various parameters .Model gave an **adjusted R-squared of 80%** along with parameters affecting rent demand.

Domain: Education Firm| Tech Stack: **Python**| Feb'21
- Developed a Logistic Regression Model which was able to predict potential Leads with a Recall and Precision of **84% and 85% of actual conversion cases correctly** and key parameters to target for converting a lead.

Domain: NGO| Tech Stack: **Python**| Mar'21
- **Clustering Model** | Clustering model to identify the **Top 10** countries which are in dire need of financial aid. With the help of Hierarchical Clustering identified the **Under-Developed Countries** Cluster and among the based upon factors such as **GDP,income and child mortality** top 10 countries were identified for NGO to target for financial aid.

Domain: Banking| Tech Stack: **Sqoop,Spark,Redshift** | May'21
- **ETL project** involving to build a batch **ETL** pipeline to read transaction data from RDS(**Spar Nord Bank Dataset**), **transform** and **load** it into target **dimensions** and **facts** on Redshift mainly to observe the withdrawal behavior and the corresponding dependent factors to optimally manage the refill frequency and also various other insights from the data has been inferred.

Domain: General| Tech Stack:**Spark**| June'21
- **EDA** analysis **NYC parking dataset** .Key idea was to identify how Spark helps in analyzing and making inference on huge datasets .(8gb) .Made different insights such as total parking ticket for 2017,unique states with high parking ticket ,different season wise tickets count ,vehicle types and body make for which analysis was carried out etc.

PROFESSIONAL EXPERIENCE

Systems Engineer, Tata Consultancy Services, Kolkata   Feb '17 - Present

Client: British Telecom (June 2017-March 2020)   Kolkata, IN

- Worked as **Support Executive** for British Telecom Client handling application named Resolve Corizon which is a front end business Critical Application developed for Technical Help Desk (THD) Advisors. The application is a part of BT which consists of several direct customer/end user facing applications where L2C and T2R journeys are supported via multiple applications.
- **Monitored and tested** application performance to identify potential bottlenecks, develop solutions, and collaborate developers on solution implementation
- **Installed, configured, tested a**nd maintained operating systems, application software and system management tools.
- **Wrote and maintained** custom scripts to increase system efficiency and performance time. .
- **Communicated status updates** to affected parties when issues arose.
- **Reviewed and analysed security logs** to determine and alleviate application related threats

Client: RPMI (Oct 2020-Present)   Feb '17 - Present

Kolkata, IN

- Currently working as **Java Developer** for the client handling a module named Valuation which basically involves the usage of **TCS in-house product BANCS** which the client uses for validating the current Insurance values, estimates of premium on different life scenarios, etc. for its customers. Currently **handling the defects** raised by the client and day to day resolution either by code fix or identifying data issues and involving the relevant teams for different scenarios and rectifying the issues raised.

EDUCATION

Post Graduate Diploma in Data Science (Specialization in Data Engineering)	Oct '20 - Present
IIIT Bangalore & upGrad	Bengaluru, IN

- Secured CGPA of 3.7/ 4

B.Tech in Automobile Engineering	Jun '12 - Jun '16
Manipal Institute of Technology	Manipal, IN

- Secured CGPA of 9.15/10

ACCOLADES

- Received **Recognition** cards from Client while working in TCS for on time resolution of issues faced and proactive monitoring and handling of business impacting issues.
- Secured **3rd Position** in B. E (Automobile Engineering) with 4 Year aggregate of CGPA of 9.15 out Of 10 during Academic Year 2012-2016
- Served as **Class Rep** for Department of Aeronautical and Automobile Engineering