**UMESH PENTALWAR**

**Summary**

Umesh has 2+ years of experience in IT industry in software quality testing and currently working as Software Engineer-QA at CitiusTech Mumbai.

Umesh has been involved in database testing, ETL testing, functional testing, and regression testing. He has a good understanding of Software Testing Life cycle.

Umesh’s technology expertise includes R, SQL, Statistics, Machine Learning and predictive model designing. He is an organized professional with excellent oral and written communication, presentation, and interpersonal skills.

Umesh has completed his Bachelors in Electronics and Telecommunication Engineering from India.

**Technical Skills**

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| **• Environments** | Windows |
| **Languages** | R, SQL, C++, Core Java |
| **Database** | SQL Server 2008 R2, Oracle SQL Developer |
| **Development Tools** | R Studio |
| **Management Tools** | HP Quality Centre |
| **Other Expertise** | Statistical inference, Data Acquisition & Modeling, Exploratory Data Analysis & Visualization, Regression Analysis, Machine Learning |
| **Algorithms** | K Nearest Neighbors, Decision Tree & Random Forest, Support Vector Machine, K Means Clustering |
| **Domains** | Healthcare |

**Professional Experience**

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| ***Citius IT Solutions Pvt. Ltd. Duration: August 2015 – Till Date***  CitiusTech is a specialized provider of healthcare technology and business process services to healthcare technology companies, healthcare providers, managed care organizations, health plans, and disease management companies. | | |
| **Project** | **Clinical Data Movement (CDM) Duration: September 2015 – Till Date** | |
| **Summary** | CDM is project to maintain data movement within and across the servers used by the client clinical applications. Data movement is carried out by stored procedures, web services and triggers etc, so that he data consistency and integrity is maintained across all the clinical applications. |
| **Main Technologies** | SQL Server 2008 R2, Oracle SQL Developer ,HP Quality centre |
| **Responsibilities** | * Understood the Database architecture for the interaction between multiple applications/servers used by client * Analyzed the Client Requirements for better test coverage * Scenario identification & test case design from requirement * Involved in schema validation, smoke testing, sanity testing, functional testing, mapping validations & regression testing * Validated stored procedures, triggers written in SQL * Performed ETL testing * Defect reporting, tracking in QC & defect validations * Involved in all the major 25+ project releases over the course of 2 years | |

**Data Science Projects & Case Studies**

* Implemented **Linear Regression** model to predict student’s academic performance for the data set from UC Irvine’s Machine Learning Repository. Performed Model Validation & performance evaluation for test data.
* Case study to determine the effectiveness of the **Logistic Regression** model to predict a classification-survival or deceased for Titanic Data Set from Kaggle. Verified model effectiveness for the test data.
* Implemented the tree models to classify schools as private or public based off their features for College data frame from ISLR library. Compared the performance for **Decision Tree** and **Random Forest** models.
* Implemented **SVM** model to classify and predict whether or not the borrower paid back their loan in full for the publicly available data from LendingClub.com. Performed model evaluation, model tuning and accuracy determination.

**Educational Background**

* B.Tech – Electronics & Telecommunication –VJTI, Mumbai University, India, Year 2015

**Certifications**

* Udemy – Data Science and Machine Learning Bootcamp with R, Year 2018
* Coursera – The Data Scientist’s Toolbox, Year 2017
* Coursera – R Programming, Year 2017