**UMESH PENTALWAR**

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# **Professional carrier highlights**

* An astute professional with **2.7 years** of experience in **Database** and **ETL** testing with proven problem solving skills.
* Well educated **Data Scientist** candidate with excellent statistical knowledge and well versed in predictive model building.
* Seeking opportunity to work as a **Data Scientist** to utilize my expertise, grow and expand in this field while becoming a valued member of the team.

**TECHNICAL SKILLS**

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| **Programming Languages** | R, SQL, C++, Core Java |
| **Tools** | R Studio, MS SQL Server 2008 R2 , Oracle SQL Developer |
| **Expertise** | * Statistical Inference * Data Acquisition & Modeling * Exploratory Data Analysis & Visualization * Regression Analysis * Machine Learning * Reproducible Data Analysis * ETL Testing * Database Testing |
| **Algorithms** | K Nearest Neighbors, Decision Tree & Random Forest, Support Vector Machine, Naïve Bayes, K Means Clustering |

**PROFESSIONAL EXPERIENCE**

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| **CitiusTech Healthcare Technology Private Limited (Aug 2015** –**Present)**  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. |

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| **Project** | **Clinical Data Movement (CDM) (Sept 2015 – Present)** |
| **Summary** | **CDM** is the project to maintain data movement within and across the servers used by the **Davita** clinical applications. Data movement is carried out by stored procedures, web services and triggers etc, so that the data consistency/integrity is maintained across all the clinical applications. |
| **Main Technologies** | SQL |
| **Activities & Roles** | * As a new team member acquired the project knowledge & understood the data architecture in short time. * Scenario identification & test case design from requirements. * Schema validations, smoke testing, sanity testing, functional testing, mapping validations & regression testing. * Defect logging, tracking & validations using HP Quality Centre. |
| **Achievements** | * Active involvement in the major 25+ releases over the course of 2 years. * Received excellent client feedback for successful completion of sub projects on 4 occasions. * Received 5/5 customer satisfaction rating for the project. |
| **Tools Used** | MS SQL Server 2008 R2,Oracle SQL Developer, HP Quality Centre |

**DATA SCIENCE PROJECTS & CASE STUDIES**

* Implemented the **Linear Regression** model to predict student's academic performance for the Data Set from UC Irvine's Machine Learning Repository. 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 effectiveness of the model for predictions.
* 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 the **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. Model evaluation, model tuning & accuracy determination.

**CERTIFICATIONS**

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| **Certification Name** | **Certification authority** | **Date of completion** |
| [Data Science and Machine Learning Bootcamp with R](https://www.udemy.com/data-science-and-machine-learning-bootcamp-with-r/) | Udemy | Feb 2018 |
| R Programming | Coursera | Dec 2017 |
| The Data Scientist's Toolbox | Coursera | Dec 2017 |

**EDUCATIONAL BACKGROUND**

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| **Name of Institute** | **Board / University** | **Degree / certificate** | **Percentage/CGPA** |
| VJTI Mumbai | Mumbai University | B.Tech Electronics & Telecommunication | 6.4/10 |
| Yeshwant College Nanded | Maharashtra State Board | HSC | 86.67% |
| P.N. High School Nanded | Maharashtra State Board | SSC | 81.07% |

**SOFT SKILLS**

* Critical thinking and Strong problem solving skills
* Good verbal and written communication skills
* Eger to learn new technologies
* Quick grasper and initiator

**PERSONAL DETAILS**

**Date of Birth:** 3rd January, 1992

**Address:** 304, Hariom Housing Society,

Sector 20B, Airoli, Navi Mumbai,

Mumbai-400708

**Marital Status:** Single

**Languages:**  English, Hindi, Marathi