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| **Komal Kalbhor**  komalkal@cybage.com  [kalbhor.komal27@gmail.com](mailto:kalbhor.komal27@gmail.com) | | Pune, Maharashtra  +91 9960294842 | |
| **Education** | | | |
| **Bachelor of Computer Engineering**  **Pune Institute of Computer Technology, Pune** | | | |
| Aggregate % - 64%  Coursework: Object Oriented Programming Languages, Data Structures, Design and Analysis of Algorithms, Machine Learning | | | Pune, India  2012-2015 |
| **Diploma in Computer Engineering**  **Cusrow Wadia Institute of Technology, Pune** | | | |
|  Aggregate % - 90.77%  Coursework: Data Structures, Database Management System, Mathematics and Operating Systems, Advanced Computer Networks. | | | Pune, India  2009-2012 |
| **Skills** | | | |
| **Programming Languages:** | C/C++, Java, Android (Educational) | | |
| **Data Analysis and Data Mining** | Weka, R, Tableau, Hive , Apache Spark, MapReduce | | |
| **Software and Tools:** | Power BI, Eclipse, QlickView, Visual Basics,Microsoft Office. | | |
| **Databases:** | MySQL | | |
| **Operating Systems:** | Linux/Unix, Windows 98, 2000, XP, Vista, 7, 8. | | |
| **Academic Projects**  **Dynamic web based mobile application for traffic police** | | | |
| * Web based traffic system is an android application that reports real time traffic crimes to the server. In existing traffic system, the storage of records of vehicles and civilians breaking traffic rules is not real time. In proposed system, we will develop a dynamic android application which can be used to take real time data as well as location and transfer it to dynamic web application integrated with Google Map API. So we are reducing the manual work and errors in the system. * Using this system we can keep track of the number of traffic crimes occurring within a particular area and the same information can be used by the traffic police department for decision making and analysis * Paper was selected for **“International Journal Of Engineering And Computer Science (IJECS)”** in 2015. * Technologies Used: MySQL, Advanced Java, Andriod application * ACM Keywords: Real-Time Field Data Collection, Data Mining, Analysis and Decision making, Dynamic Web-Based Application. * Publication Reference: *http://ijecs.in/index.php/91-archive/volume-5-issue-08-august-2016/449-dynamic-web-based-mobile-application-for-traffic-police* | | | Pune  2015 |
| **Practical Machine Learning** | | | |
| * Aim was to determine how efficiently users are using device like Fitbit, Jawbone, and Nike Fuel Band. Users do multiple exercises daily but it is also important that how well they do it. * Data collected from accelerometer tied to multiple athletes was analyzed based on various parameters. * Build a prediction model to determine how well the users are using these devices, which was **97%** accurate. * Technologies Used: R, Weka, Tableau, PowerBI, and QlickView. * GitHub Repo Link: *https://github.com/KomalKalbhor1/PracticalMachineLearningCoursera* | | | Pune  2015 |
| **Experience**  **Cybage**  **Software Engineer**  **Hospital Readmission Prediction System** | | | |
| * For Singapore Health Care, created a forecast model for hospital readmission. * Based on past history of a patient, it predicts if the patient will be readmitted within period of 30 days due to same disease. * It saved lot of efforts of hospital to provide better care to patients as they were well informed. * Project was very successful and highly appre­­­­­ciated by client. * Technologies used: R, Tableau, PowerBI, and QlickView. | | | Pune  2015 |
| **Airline Delay Prediction System** | | | |
| * Predicted which flight would be delayed based on historical data and weather conditions taking into consideration. * Challenge was to analyze more than 180 parameters i.e. humidity, temperature, wind speed, precipitation, events, pressure, and gust speed. * Performed Data cleaning, mining and analysis for data from the years 1988 to 2014. * Created the model using machine-learning algorithms like logistic regression and random forest. * Model was able to predict status of the flights **82.6%**accuracy. * Technologies Used: R, Machine Learning algorithms (Logistic regression, Random Forest.) ,Hive, Apache Spark(spark.ml) | | | Pune  2016 |
| **Click Through Rate(CTR) prediction** | | | |
| * Analyzing and building inferences to calculate CTR from display advertising data. * Display Advertising data contains information regarding clicks, impressions, events for a particular time period across various advertisers, agencies, campaigns etc. * Finding patterns from the display advertising data to check what would be the expected CTR across particular campaign, placement, site, advertiser etc. * Top n campaigns that provide good CTR value can be recommended. * Model can be further enhanced to determine top performing placements, sites, advertisers etc. * Technology Used: Power BI, AzureML, R, Apache Spark, Hive, Tableau | | | Pune  2016 |