

RAVIKIRAN JOIS YEDUR PRABHAKAR

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EDUCATION

Rochester Institute of Technology, Rochester, New York
Master of Science in Computer Science

Expected Aug 2021

Acharya Institute of Technology, Bangalore, India
Bachelor of Engineering in Computer Science

Aug 2011 – Jul 2015

COURSES

Foundations of Artificial Intelligence, Foundations of Computer Vision, Foundations of Big Data, Data Cleaning and Preparation

SKILLS

Programming Languages: Java, Python, MATLAB
Databases: PostgreSQL, MongoDB, MySQL
Tools and Technologies: scikit-learn, Tableau, Git, Jenkins, Jira, Maven

PROJECTS

Yelp Dataset Analysis **Jan 2020 - May 2020**

- Designed and modeled relational database using PostgreSQL and document-oriented database using MongoDB for the Yelp dataset
- Implemented the Apriori algorithm to mine the frequent itemsets from the restaurant data with 1.3M (approx.) entries of 5 popular cities in the US for the most profitable cuisines
- Discovered interesting association rules for each of the popular cities with specific lift and confidence

English-Dutch Language Classifier **Apr 2020 - May 2020**

- Built an English-Dutch language classifier for classification of lines of either languages in a file
- Implemented the classifiers by creating the Decision Tree Classifier and increased the accuracy of the results by implementing the Adaboost Machine Learning algorithm and achieved 76.1% and 81.6% accurate classifications respectively

Analysis of Traffic Accidents and Violations **Jun 2020 - Aug 2020**

- Cleaned, integrated and stored the traffic accidents and violations in the city of Chicago data in MongoDB with 1.2M (approx.) documents
- Obtained a strong correlation of 0.78 between the red light violations and traffic crashes
- Aggregated the data and performed various analysis of the data including clustering the traffic crash data using K-Means Clustering
- Used Matplotlib and Tableau to generate and visualize the interesting patterns in the data like heatmaps, scatter plots, line graphs, etc.

EXPERIENCE

Cognizant Technology Solutions **Dec 2015 – Jun 2019**

Associate – Web Development and Analysis

- Responsible for back-end web page development of multiple websites using Adobe Experience Manager (AEM) and Java under Agile development environment
- Designed and built the components and templates for websites using Java with the help of some AEM packages
- Performed various analysis on data from website traffic and forms using Microsoft Excel, MongoDB and AEM
- Developed web applications for geolocation based tracking and analysis of end-user activity using Java and Adobe Target integrated with AEM
- Integrated back-end to front-end to ensure end-to-end functionality of the web pages with 100% test-case coverage
- Dealt with queries from clients about the applications and provided efficient and appropriate solutions and fixes
- Mentored and assisted new team members with their primary tasks and ensured effective participation amongst all team members