RAVIKIRAN JOIS YEDUR PRABHAKAR

(585) 957 4855 • ravikiranjois@gmail.com • ravikiranjois

EDUCATION

Rochester Institute of Technology, Rochester, New York **Expected Jan 2022**
Master of Science in Computer Science (CGPA: 3.75)

Acharya Institute of Technology, Bengaluru, India **Aug 2011 – Sep 2015**
Bachelor of Engineering in Computer Science

SKILLS

Languages: Python, Java, MATLAB, Django Templates, C, C++, HTML, CSS
Databases: PostgreSQL, MongoDB, MySQL, OracleDB
Frameworks: Django, Apache Spark, Maven, REST
Technologies: Tableau, Git, Weka, Jenkins, Maven, sk-learn, matplotlib, pandas, NumPy

PROJECTS

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

- Cleaned and integrated the traffic accidents and violations data with over 1.2M records into MongoDB
- Carried out a thorough analysis in Python to discover a strong Pearson Correlation Coefficient of 0.78 between red light violations and traffic crashes
- Visualised the data using matplotlib and Tableau to clearly demonstrate different results of analysis

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

- Thoroughly cleaned and processed the Yelp dataset to load it onto PostgreSQL and MongoDB
- Implemented the Apriori algorithm in Python from scratch to mine frequent itemsets for the most profitable cuisines using the restaurant data containing over 1M entries
- Discovered impactful associations in the dataset using lift and confidence metrics

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

- Built an English-Dutch language classifier for classification of lines of either languages using Python
- 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

Lane Boundary and Vehicle Detection Simulator **Apr 2020 - May 2020**

- Developed a model in MATLAB to detect lanes and vehicles on the road for any given road traffic video input captured using a monocular camera
- Detected the ego lane boundaries using RANSAC algorithm and classified different lane marker types
- Detected vehicles on the road with 80% confidence using Faster R-CNN object detector algorithm

EXPERIENCE

Cognizant Technology Solutions, Bengaluru, India **Dec 2015 – Jun 2019**
Associate – Web Development and Analysis

The Interactive Catalog

- Responsible for back-end web page development using Adobe Experience Manager (AEM) and Java under Agile development environment
- Designed and developed an interactive web application that integrated adaptive forms which catalogued user data in MongoDB and ensured appropriate API hits
- Developed several proofs of concept to analyse, store and retrieve the forms data from MongoDB using Java
- Performed various analysis on data from website traffic and forms using Java, Microsoft Excel, MongoDB and AEM
- Developed web applications for geolocation tracking and analysis of end-user activity using Java and Adobe Target

Website Platform Migration

- Designed and developed over 15 templates and 40 components in AEM with the help of Java
- Developed Java code from scratch by analysing the functionality of the existing components and migrated over 9000 pages from SDL Tridion to AEM and populated the pages appropriately
- Integrated back-end to front-end to ensure end-to-end functionality of the web pages with 100% test-case coverage

ACHIEVEMENTS

- Won the "Exceeding Everest Award" for extra-ordinary performance in the project at Cognizant
- Won the "Rockstar Award" for outstanding contributions and exceeding expectations at Cognizant