

Mustafa Dholkawala

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EDUCATION

Rochester Institute of Technology (RIT), Rochester, New York

Master of Science, Computer Science

Dec 2021

GPA 3.67

University of Mumbai, Mumbai, India

Bachelor of Engineering, Computer Engineering

May 2017

CGPA 6.7

TECHNICAL SKILLS

Programming: Python, Java, R, SQL, NoSQL, JavaScript, C++

Tools/Technologies: TensorFlow, Keras, Docker, Kubernetes, MySQL, MongoDB, JavaFx, AWS, Git, JIRA

Relevant Courses: Object Oriented Programming, Data Structures and Algorithms, Big Data Analytics, Artificial Intelligence, Machine Learning, Deep Learning, Computer Vision

Libraries Known: NumPy, Pandas, Scikit-Learn, Matplotlib, NLTK, Seaborn, SciPy, Pillow

PROJECTS

Airbnb Customer Recommendation System

July 2020

- Developed a Hotel Recommendation System using **JavaFx** and **MySQL** that provides users with a UI to search for available Airbnb Listings and view reviews for each listing.
- The SQL queries were optimized with help of indexing and normalization to reduce query time and space.
- The project also performs clustering tasks along with data visualizations in **R**.

Sentiment Analysis on Airbnb Customer Reviews

July 2020

- Implemented **Naive-Bayes** and **K-Nearest neighbor** algorithms to classify reviews as positive, neutral, and negative and achieved **85%** accuracy in identifying the likes and dislikes of customers.
- Used **Pandas**, **NumPy**, **NLTK** for data cleaning and pre-processing tasks.

Language Classifier

April 2020

- A python program that implements **Decision Tree** and **AdaBoost** to classify between English and dutch sentences.
- Used **NumPy** and **NLTK** for data pre-processing tasks and **K-fold cross-validation** for evaluation to achieve an accuracy of **95%**.

Seasonal Orienteering

Feb 2020

- A python program that reads a map image (containing information on terrain, elevation, and a set of points to visit in a particular order) to find the shortest path between the points on the map using **A* search algorithm**.
- This project made use of the **Python Imaging Library** for performing image processing tasks and pixel bit modifications.

WORK EXPERIENCE

QAD India Pvt Ltd

Mumbai, India

Associate Technical Consultant

July 2017 - July 2018

- Determined the operational feasibility by evaluating the problem definition, requirement analysis, and proposing efficient design solutions.
- Developed custom software modules: performing system flow design, designing & creating database schema for new tables, and integration with the QAD application.
- Created automated financial reports using optimized database queries thereby reducing wait time for customers.
- Worked with cross-functional engineering teams on deploying several go-live projects.

Cyber Managers Software Services Pvt Ltd

Mumbai, India

Associate Software Engineer

Jan 2019 - May 2019

- Worked on Oracle PeopleSoft & Oracle Fusion Middleware.
- Experience in PeopleTools - Application Designer, PeopleCode, Application Engine, Application Package, Component Interface (CI), PSQuery.
- Developed PeopleCode to implement specific business rules and validations to enable the system to perform the business processes.