

# KEVIN DOSHI

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## PROFESSIONAL EXPERIENCE

**Aruba, a Hewlett Packard Enterprise Company – Data Engineering Intern, California** **May 2018**

- Gathered the requirements and designed a Database architecture for the Radio Frequency test data.
- Examined the limitation of the legacy analysis tool and remodelled it to make it more robust and efficient using SQL, Python, VBA.
- Performed Exploratory Data Analysis on the test data to extract RF Characteristics of the Access Points using Tableau.
- Performed Statistical Analysis to analysis the test results and detect inefficiencies of the tested product using VBA.
- Implemented Machine Learning algorithms like K-Nearest Neighbour to perform anomaly detection on the data, helping to understand the inefficiency of the product using Python.
- Implemented Polynomial regression to reduce the number of test flows, which results in reduction in testing time and automating the test process using Python.

## RESEARCH PROJECTS

**Recommender System for Amazon Mobile Dataset** **April 2018**

- Analyzed over a million records of reviews for mobile dataset using Python.
- Performed Sentimental Analysis on reviews using Natural Language Processing toolkit.
- Implemented k-Nearest Neighbor classification algorithm to make robust recommendations based on the sentiments of reviews.

**Forecasting of Future Stock Prices** **March 2018**

- Performed Time-Series analysis on stock prices of Apple Inc. for last 6 years using R.
- Predicted the future of stock prices for 6 months based on the historical data with an accuracy of 85%.
- Implemented Cross-Validation on the data to determine accuracy of the model.

**Predictive Analysis of Zillow Rent Index** **November 2017**

- Analyzed over 10,000 records of rent index of cities in the United States for the period of 7 years using Python.
- Performed Exploratory Data Analysis and trend analysis using Tableau.
- Predicted Rent Index for New Jersey State for next 6 months using Polynomial Regression with an accuracy of 90% using packages like Scikit-learning and NumPy.

**Child Security – CARE Application** **May 2017**

- Developed an android application for a device that tracks and displays current location and utilized Geofencing technology to notifies the monitor if device location is not within the user specified range using Java.
- Designed Database architecture and maintained user's details using MySQL and PHP.
- Established connection between application and device using Firebase Cloud Messaging.

## EDUCATION

**Rutgers Business School** **New Brunswick, New Jersey**  
Master of Information Technology and Analytics. **December 2018**

**GPA: 3.75**

**Relevant Courses:** Introduction to Data Science, Analytics for Business Intelligence, Data Analysis and Decision Making, Applied Regression Analysis using R and Business Analytics Programming.

**University of Mumbai** **Mumbai, India**  
Bachelor of Engineering, Information Technology. **June 2017**

**GPA: 3.55**

**Relevant Courses:** Big Data Analytics, Data Mining and Business Intelligence, Computer Networks and Database Management Systems.

## TECHNICAL SKILLS

- **Programming Languages:** R, Python, SQL, Java, PHP, HTML, CSS, JavaScript, C, VBA.
- **Database Technologies:** Microsoft Access 2016, MySQL, Microsoft SQL Server, Oracle Server, Hadoop.
- **Data Visualization Tools:** Microsoft Power BI, Tableau, Spotfire, Advanced Excel, Bokeh, Seaborn.
- **Software Tools:** Android Studio, NetBeans, Anaconda, SAP, Microsoft Office.