

# VATSAL SHAH

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## EDUCATION

**Rutgers University, Newark, New Jersey**

**August 2017 - December 2018**

*Masters in Information Technology & Analytics, 4.0/4.0*

**Current Coursework:** Business Analytics Programming, Applied Regression Analysis, Introduction to Data Science, Data Analysis and Decision Making

**June 2011 - May 2015**

**University of Mumbai, Mumbai, India**

*Bachelors in Computer Engineering, 3.7/4.0*

## SKILLS

- **Programming Languages:** Python, R, JAVA, SQL, PL-SQL, Basic SAS, C++, J2EE, JavaScript, CSS, HTML, Scala, PostgreSQL
- **Databases:** Oracle, MS Access, MySQL, MongoDB, Oracle 11g, SQL Server, CRM
- **ERP:** Oracle Fusion, SAP HANA, SAP, Oracle Taleo, PeopleSoft.
- **Reporting Tools:** Tableau, Advanced Excel, TIBCO Spotfire, QlikView, AWS, PowerBI
- **Tools:** REST, Anacondas, Putty, Eclipse
- **MS Office Suite:** Word, Powerpoint

## PROFESSIONAL EXPERIENCE

**Capgemini India Pvt. Ltd., Mumbai**

**June 2016 – August 2017**

### DATA ANALYST

- Analyzed massive datasets on Oracle Cloud and performed ad-hoc analysis and data manipulation to fetch 100% accurate data on an “as needed basis”.
- Developed reports using OTBI and BI reporting system to extract data using filter based analysis for timely reporting of absences.
- Designed data marts to improve the end-user response time by 75%

**Capgemini India Pvt. Ltd., Mumbai**

**July 2015 – May 2016**

### SQL DEVELOPER

- Developed custom BI Publisher Reports using SQL queries and worked with cross functional team to develop an application to get the number of absences of the employees.
- Created Data Models and Dashboards using SQL Server Analysis helping the user have easy access to the KPIs by reducing the response time by 60%.
- Performed data loads and routine updates on ongoing basis maintaining accuracy of the data of upto 90%.
- Developed database application that allowed the user to fetch the correct and accurate data from a computerized database improving the efficiency of the system by 70%.

## ANALYTICAL PROJECTS

### Predicting the future prices of houses on Zillow

- Predicted the future prices of the houses across all states of USA using predictive analysis.
- Determined the most and the least expensive states of USA by using Exploratory Data Analysis(EDA).
- Performed steps such as Data Cleaning, Exploratory Data Analysis(EDA) and Polynomial Regression to analyze the data and predict the price of the future with an accuracy of 90%.

### Forecasting of Morgan Stanley's future stock price

- Performed time series analysis on the stock prices of Morgan Stanley on a dataset of last 5 years (January 2013-March 2018 using R).
- Forecasted the future stock prices for next 6 months based on the historical data by applying supervised learning logic with an accuracy of 80% and using ARIMA model.

### Machine Learning Algorithm for Intelligent Email Sorting

- Developed a machine learning algorithm using K-Means Clustering to sort emails into respective categories using Google App Script.
- Performed sorting to categorize the mails in respective categories by giving labels dynamically.

## CERTIFICATION

- Oracle Applications Cloud Financial Reporting 2017 Implementation Specialist
- Oracle Global Human Resources Cloud 2016 Certified Implementation Specialist