

# VATSAL SHAH

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## EDUCATION

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### Rutgers University, Newark, New Jersey

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

December 2018

**Current Coursework:** Business Analytics Programming, SAP, IT Strategy, Applied Regression Analysis, Business Data Management, Analysis of Business Intelligence, Data Analysis and Decision Making, Introduction to Data Science

### University of Mumbai, Mumbai, India

May 2015

*Bachelors in Computer Engineering, 3.7/4.0*

**Relevant Coursework:** Machine Learning, Database Management Systems, Data Mining, Data Structures, Analysis of Human and Computer Interaction, Web Engineering and Analytics

## SOFTWARE SKILLS

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- **Programming Languages:** Python, R, JAVA, SQL, PL-SQL, Basic SAS, C++, J2EE, JavaScript, CSS, HTML, Scala
- **Databases:** Oracle, MS Access, MySQL, MongoDB, Oracle 11g, SQL Server
- **ERP:** Oracle Fusion, SAP, Oracle Taleo, PeopleSoft.
- **Data Visualization Tools:** Tableau, Advanced Excel, NumPy, SciPy, Pandas, TIBCO Spotfire, QlikView, Jupyter, AWS
- **Tools:** MS Word, MS Excel, MS PowerPoint, REST, Anacondas, Putty, Eclipse

## PROFESSIONAL EXPERIENCE

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### Capgemini India Pvt. Ltd., Mumbai

July 2015 – August 2017

#### SENIOR ANALYST

- Developed custom BI Publisher Reports using SQL queries, OTBI Report Layouts using Data models and Dashboards
- Performed File Based loader – Incremental load used for loading the financial and business data of the employees
- Performed HCM Data Loader – Performed data load for loading financial and business related employment information
- Analyzing the business aspect of the client data to determine how many employees are available on a particular day and are being paid on a regular basis.

### Algonation, Mumbai

June 2014 - September 2014

#### INTERN

- Designed User Interface and mobile application.
- Marketing of Website and Application through social media.
- Helped in planning of financial and promotional strategies and determined the business aspects for the company.

## RESEARCH PROJECTS

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### Statistical Analysis of Height and Weight

- Performed Statistical Analysis data of 10,000 individuals using Microsoft Excel.
- Performed Linear Regression analysis to determine the relation between the Height and Weight of the individuals given
- Determined the gender of the individual based on the values of Height and Weight with an accuracy of 92%

### Predictive analysis to find the future prices of houses on Zillow

- Performed predictive analysis on the Zillow Rent Index dataset of last 7 years from Kaggle in order to predict the future prices per square feet houses across all the states of United States of America.
- 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 Linear Regression to analyze the data and predict the price of the future and thus analyzing the business aspect of the Zillow rental index that determined the financial condition of the city as well.

### Machine Learning Algorithm for Intelligent Email Sorting

- Developed a machine learning algorithm to sort emails into respective categories using Google App Script.
- We used Google Cloud in order to store the data of emails that were received on an account and then performed sorting to categorize them in respective categories by giving labels dynamically.

## CERTIFICATION

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