

# Harshal Thummar

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## EDUCATION

### Rutgers University, Rutgers Business School – Newark, NJ

Dec 2017

Masters in Information Technology

GPA: **3.91**

### Bachelor of Engineering in Electronics and Telecommunication– 2016

K. J. Somaiya College of engineering, Mumbai University.

## QA TESTING EXPERIENCE

### OrnaIT Services

Jersey City, NJ

QA Automation Tester

2014 - 2016

- Analyzed Business requirements and software documentation and performed Gap Analysis to identify variant between Customer Interface and business requirement logic
- Developed positive and negative test cases for functional testing and manually executed the test cases
- Performed Sanity testing on new builds on various environments, set up test data in each release
- Tested resolved defects on the new build released with Retest & Regression Testing for better quality.

## PROJECTS

### Data Analysis, Economic Journal Subscription

Sep 2016 – Dec 2016

- Performed data analysis on Journal dataset to predict journal's number of subscription
- Visualized all variables in R to analyze its effect on independent variable subscription
- Performed various regression models like linear, logistic and polynomial on the journals dataset
- Cross validated the predicted output for evaluation and selection of model for better fitting

### Data Mining, Diabetic Patient Readmission Rate Prediction

Sep 2016 – Dec 2016

- Analyzed the readmissions data for diabetic patients, identified major factors that contribute to readmissions
- Visualized the effects of attributes such as age, weight and others on Readmission rate in Tableau
- Applied data pre-processing techniques like binarization and elimination of zero variance in R
- Compared classifier algorithms Naïve Bayes, Adaboost and Bagging to predict readmission rate using Weka

### Database Management, Traffic flow prediction

Sep 2016 – Nov 2016

- Performed forecasting in R for predicting on road traffic up to 30 min ahead with 85% accuracy
- Clustered indexing on large time series datasets helps in saving data retrieval time and fasten up the process
- Computed ARIMA model and measured goodness of fit using Akaike Information Criterion (AIC)
- Evaluated output of ARIMA model with confidence interval and validated with traffic dataset

## TECHNOLOGY & TESTING PROFICIENCIES

### Testing Tools:

Selenium Web Driver, Protractor Test, Chrome Tools

### Scripting Tools:

HTML, IntelliJ, Eclipse, Word Press, Spyder

### Other Tools:

Tableau, Weka, Microsoft Excel

### Languages:

R programming, Java, C, Maven, TestNG, JavaScript, Node.js, Python

### Database Programming:

MySQL, PostgreSQL