

EDUCATION

Stevens Institute of Technology	Master of Science in Computer Science	GPA: 4.0/4.0	December 2016
Selected Coursework: Data Mining, Web Analytics, Data Visualization Applications, Advanced Algorithms Design			
Gujarat Technological University	Bachelors in Computer Engineering	CGPA: 3.2/4.0	June 2012

WORK EXPERIENCE

Argus Information & Advisory Services	Data & Application Solutions Intern	June 2016 – August 2016
<ul style="list-style-type: none">• Evaluated correlations among statistical data, identifying trends, summarizing findings across clients and products.• Spearheaded Global Studies Code Repository Application reducing validation time by 900 minutes per month.• Developed proof of concept for In-house application - built to replace Data Transformation Services packages.		
Tata Consultancy Services	Oracle Application Technical Developer	March 2013 – June 2015
<ul style="list-style-type: none">• Designed and implemented complex integrations for General Electric (GE P&W) enterprise level architecture.• Developed parts fulfillment component for the first time in GE history to address major pain point of fulfillments.• Initiated and led process improvement ideations generating savings of USD 50,000 annually + 75 minute wait time.		

PERSONAL PROJECTS

Netflix for Education	(Python – Flask – Mongo DB)	March 2016 – Present
<ul style="list-style-type: none">• Building a recommender system on student's desired area of interest, either gleaned from past registrations history or expressed preferences.• Incorporating additional data sources such as MOOC course, YouTube video, Google Scholar papers to produce a broader recommendation set.		
Real Time Data Clustering	(R – Shiny – Mongo DB)	December 2015
<ul style="list-style-type: none">• Developed a web application to exhibit the real time clustering of data and prediction based on user input.• Integrated features to download, share and visualize interactive plots of data.• Implemented Machine Learning models: K-Means Clustering, Generalized Linear Model		

ACADEMIC PROJECTS

Web Server Log Analysis	(Apache Spark - Python)	July 2016
<ul style="list-style-type: none">• Built a log analyzer to analyze the HTTP requests in NASA Kennedy Space Center web server.• Processed the source of the hosts and failed requests to analyze client behavior and visualize the results.		
Telling Stories with Tableau	(Tableau – Mapbox – D3.js)	April 2016
<ul style="list-style-type: none">• Developed visualization showing geographic dispersion of NYC Citi bikes throughout the day using Mapbox.• Created dashboard to represent twitter user habits and engagements over time using Twitter API data and d3.js.		
Restaurant Review Classification	(Python)	December 2015
<ul style="list-style-type: none">• Developed machine learning model to classify restaurant reviews and achieved accuracy of 86.8%.• Implemented Machine Learning models: K-Nearest Neighbor, Logistic Regression, Multinomial Naive Bayes		

SKILLS

Programming Languages: PL/SQL , Python (sklearn, pandas, PySpark, NLTK), C, C#.Net, Java
Statistical Modeling Languages: R, SAS, SAS Enterprise Miner
Big Data Ecosystem: Map Reduce, Hive, Apache Spark
Database System: Oracle, MongoDB, SQLite, SQL Server 2008
Machine Learning: Classification, Prediction, Clustering, Feature Engineering
Visualization: Tableau, D3.js, Shiny, ggplot2

CERTIFICATES

- Six Sigma Green Belt Certification (Nov 2013)
- Google Analytics Certificate (Dec 2014)