

JAYASHREE RAMAN

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EDUCATION

UNIVERSITY OF WASHINGTON, INFORMATION SCHOOL, Seattle, WA

Anticipated Graduation: 2019

Master of Science in Information Management- Planned Specialization in Data Science & Analytics

Relevant Coursework: Analytical Methods, Business Intelligence Systems, Advanced DBMS & Big Data Analysis

Planned Coursework: Machine Learning & Econometrics, Data Warehousing, Distributed Computing, Network Analysis

UNIVERSITY OF MUMBAI, Mumbai, India

July 2012, GPA: 3.5

Bachelor of Engineering in Electronics & Telecommunications

Relevant Coursework: Data Structures and Algorithms, Wireless Networks, Software Programming

Consistent high performer, with a focus on practical implementation of technologies

PRIMARY SKILLSETS & AREAS OF FOCUS:

- **Analytics Lifecycle**
 - Exploratory Data Analysis, Data Engineering & Automated Deployment of data
 - Data Visualization, Reporting and Dashboard Design for retrieving and communicating insights
- **Data/DataOps Engineering**
 - Adept at data scraping, data wrangling and data cleaning
 - Implementing data storage, efficient data pipelines and processing in Cloud Based Environments

WORK EXPERIENCE

Data Analytics Intern

June 2018 - Present

GE Ventures, Industrial Data Exchange - (Seattle, WA, USA)

- Used MySQL scripts to write/extract collected data to/from database
- Wrote R Scripts to clean data & perform Exploratory Data Analysis for medical equipment in secondary marketplace
- Used Tableau to visualize distribution of medical equipment in secondary markets as well as their price distribution/prediction
- Built linear regression model for price prediction

Senior Software Development Engineer

Oct 2015 – Aug 2017

BNP Paribas ISPL - (Mumbai, MH, India)

- Worked extensively with Selenium and ROBOT Framework to compare and validate data on front-end and back-end
- Experienced in building keyword-driven, data-driven and hybrid test automation frameworks, reduced turnaround time by 70%
- Implemented DevOps using Continuous Integration (Jenkins/TeamCity)

Systems Engineer

Dec 2012 – Oct 2015

Tata Consultancy Services - (Mumbai, MH, India)

- Worked extensively with SQL and Python to compare and validate data on front-end and back-end
- Automated the data pipeline, quality assurance and data validation using Python; reduced the project turnaround time by 40%
- Optimized the codebase and its performance using data structures

SKILLS

Programming Languages	Data Analysis & Visualization Tools	Statistics/Machine Learning	Cloud Computing
Python(pandas, numpy) R (dplyr, ggplot2) JavaScript Java	<ul style="list-style-type: none">• D3/Tableau• RStudio• PostgreSQL/MySQL• Jupyter/Anaconda• Google Analytics	<ul style="list-style-type: none">• Linear Regression• Gradient Descent• Support Vector Machines/PCA• Neural Networks	<ul style="list-style-type: none">• Google Cloud Platform: TensorFlow, HDFS, Hadoop, Spark, Hive• Amazon Web Services: Amazon RDS

COURSE PROJECTS/PERSONAL INTERESTS

Recommender System: Pearson Correlation

<https://github.com/jayashreeraman/RecommenderSystemPrototype>

- Created a Python Utility function to recommend products based on previous purchases and similar users
- The algorithm takes two datasets as inputs and calculates the proximity of the two sets based on common factor

Data Engineering on the Google Cloud Platform (GCP)

<https://github.com/jayashreeraman/training-data-analyst>

- Pursued and understood Machine Learning and Image Classification on GCP via the Data Engineering course on Coursera

Occupy Wall Street: Analytics Project

https://github.com/jayashreeraman/data-analysis_OccupyWallStreet

- Data retrieval using Python packages (BeautifulSoup and urllib) to perform data analysis of the OWS movement in 2011