JAYASHREE RAMAN

Seattle, WA – 98105

Email: jraman@uw.edu   **LinkedIn**: www.linkedin.com/in/jayashree-raman   **Mob**: (206) 972-9037
Website: https://jayashreeraman.github.io   **Tableau**: https://public.tableau.com/profile/jayashree.raman#!/

EDUCATION

UNIVERSITY OF WASHINGTON, INFORMATION SCHOOL, Seattle, WA   Anticipated Graduation: 2019
Master of Science in Information Management- Planned Specialization in Data Science & Analytics
<u>Relevant Coursework</u>: Core Methods in Data Science, Business Intelligence Systems, Advanced DBMS & Big Data Analysis
<u>Planned Coursework</u>: Machine Learning & Econometrics, Data Warehousing, Distributed Computing, Network Analysis
Research Assistant for Customer Analytics (Foster School), ***Teaching Assistant for*** INFO 370 (Data Science, iSchool)
UNIVERSITY OF MUMBAI, Mumbai, India   July 2012, GPA: 3.5
Bachelor of Engineering in Electronics &Telecommunications
<u>Relevant Coursework</u>: Data Structures and Algorithms, Wireless Networks, Software Programming, Signal Processing

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 with big-scale data sets
  - 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 Amazon RDS (AWS)
- 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
- Performed statistical analysis and built a multiple linear regression model for price prediction

Senior Software Development Engineer   Oct 2015 – Aug 2017
BNP Paribas ISPL - (Mumbai, MH, India)
- Implemented Test Analytics 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 wrangle, analyze, and combine heterogeneous data sets
- 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	• D3/Tableau • SQL Server/ SSIS • PostGreSQL/MySQL • Jupyter/Anaconda • RStudio • Hive/Pig/ Spark	• Linear Regression • Gradient Descent • Support Vector Machines/PCA • Neural Networks • A/B Testing	• Google Cloud Platform: TensorFlow, HDFS, Hadoop, Spark, Hive • Amazon Web Services: Amazon RDS • Google Analytics

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 Cluster Computing 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