

JAYASHREE RAMAN

DATA | ANALYTICS | PRODUCT

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PRIMARY SKILLSETS & AREAS OF FOCUS:

- **Analytics Lifecycle**
 - Experienced in developing a product-oriented data science strategy & liaising with cross functional teams
 - 4+ years' experience in Exploratory Data Analysis, Data Warehousing & Automated Deployment of data pipelines
 - Effective arbitration and communication between cross functional teams to help build usable products
 - Strong skills in **Data Modeling, Warehousing, Reporting** and Dashboard Design for communicating insights
- **Data Analysis/Data-Ops Engineering**
 - Adept at data scraping, data wrangling and data cleaning with **large-scale, complex data sets** (using SQL, R & Python)
 - 2+ years' experience in implementing data storage, query optimizations and processing in Cloud Based Environments
 - Well versed in Applied **Data Science and Machine Learning** using Python, Hive and Spark

SKILLS

Programming Languages & Packages	Data Analysis & Visualization Tools	Statistics/Machine Learning	Cloud Computing
Python(pandas, numpy, scipy, sklearn, matplotlib, seaborn) R (dplyr, tidyr, ggplot2) SQL Java	<ul style="list-style-type: none">• D3/Tableau• SQL Server/ SSIS• PostgreSQL/MySQL• Jupyter/Anaconda• RStudio• Hive/ Spark	<ul style="list-style-type: none">• Linear Regression• Gradient Descent• SVM/PCA/kNN• Natural Language Processing• A/B Testing	<ul style="list-style-type: none">• Google Cloud Platform: Hadoop, Spark, Hive• Amazon Web Services: Amazon Redshift and S3• Google Analytics

WORK EXPERIENCE

Data Analytics Intern

June 2018 – Nov 2018

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

- Arbitrated product requirements with Sales/Marketing teams to build a customized solution, through launch and two iterations
- Worked extensively with **Amazon Redshift and S3** for large scale data analysis to improve execution time by over 35%
- 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/time series analysis and built a multiple linear regression model for price prediction

Senior Software Development Engineer (Business Intelligence & Analytics)

Oct 2015 – Aug 2017

BNP Paribas ISPL - (Mumbai, MH, India)

- Was the key coordinator for product release cycles, mediated requirements between onshore/offshore teams
- Performed Big Data Engineering using **Hadoop** and batch and stream data processing using Hive for Fixed Income transactions
- Built data warehouse for transactions tracking and to ensure data integrity, and reporting dashboards for project KPI metrics
- Migrated internal transaction databases to Hadoop, **used HiveQL/Spark to improve query performance by 87%**
- **Received the Catalyst Award for revolutionizing the delivery framework across multiple teams** in June 2017

Systems Engineer

Dec 2012 – Oct 2015

Tata Consultancy Services - CitiBank (Mumbai, MH, India)

- Worked seamlessly with **Business Analysts and Developers** to wrangle, analyze, and aggregate heterogeneous data sets
- Automated the data pipeline and performed data validation using **SQL and Python**; reduced the project turnaround time by 40%
- Streamlined data analytics and **effected 40% savings** for Citi's Liquidity and Commercial Cards Services (EMEA and LATAM)
- Implemented Test Analytics with Selenium/ROBOT Framework to compare and validate data on front end and back end
- **Won the Star Performer Award (Monthly) for Excellent Product Delivery** in July 2015

EDUCATION

UNIVERSITY OF WASHINGTON, INFORMATION SCHOOL, Seattle, WA

Anticipated Graduation: 2019

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

GPA:3.89

Relevant Coursework: Machine Learning & Econometrics, Business Intelligence Systems, Advanced DBMS, Social Network Analysis
Projects: Recommender Systems, Natural Language Processing (NLP), kNN Regression and k-Means classification

UNIVERSITY OF MUMBAI, Mumbai, India

July 2012, GPA: 3.7

Bachelor of Engineering in Electronics & Telecommunications

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

Teaching Assistant for INFO 370 (Core Methods in Data Science, iSchool)

Sep 2018 – Present

Research Assistant for NLP Project in Customer Analytics (Foster School)

Dec 2017 – May 2018