**SKILLS**

**Languages**

•Python •JavaScript •Java •R •Node.js •Angular.js •React.js

•HTML5 & CSS

**Tools**

Microsoft Azure ML, Tableau, Microsoft Visual Studio

**Concepts**

Machine Learning (K-means, Random forest, SVM, Decision tree, scikit-learn, pandas, numpy, scipy), Algorithms, Data Visualization,

Data Structures, OOP, Scrum,

Agile Software Development,

AWS container service and S3, Cloud Computing,

RESTful APIs, Docker, TDD,  
Hadoop, Zookeeper

**Databases**

Relational – SQL, PostgreSQL  
Non-Relational – Hadoop, Cassandra, MongoDB, HDFS

**Platforms**

Microsoft Windows, Linux, Mac OS X

**CERTIFICATIONS**

•Springboard – Data Science Intensive •CCNA Routing and Switching (R&S) •CCNA (VOIP)

**PUBLICATIONS**

[•GUIdock-VNC– Gigascience](https://academic.oup.com/gigascience/article/3052724/GUIdock-VNC:)

[•BioDepot Workflow Builder – bioRxiv](http://biorxiv.org/content/early/2017/01/06/099010)

**CONNECT**

**[](http://linkedin.com/in/keswanijayant)** **keswanijayant**

**[](http://github.com/jayantkeswani)** **jayantkeswani**

**[](http://jayantkeswani.com/) jayantkeswani**

**EXPERIENCE  
  
Software Intern Aug16-Dec16**Kahootz CA, USA  
•Build the web app and chrome extension using Node and Express for the backend • Implemented a frontend framework used Angular, JavaScript and HTML.

• Deployed the app on AWS (EC2 instance for the server and RDS for MySQL)

**Research Assistant Nov 2015 – Dec 2016**University of Washington WA, USA  
•Performed data analysis on Genomic data using Python and R.

• Containerized the workflow using docker to ensure the reproducibility.

• Containerized ISAAC and Cytoscape using Docker.

**Graduate Intern Jun 2016 – Aug 2016**Qikspace WA, USA  
•Researching the implementation of an AI engine with database integration using Cassandra

• Data exploration, cleaning and data migration to Cassandra using R and CQL.

**Software Engineer Jul 2014 – Jul 2015**Baud Technologies Delhi, IND  
• Engineered customized features for new applications and update for existing applications suited, used JavaScript and MySQL.

**Graduate Intern Jun 2016 – Aug 2016**Shining Armour Mumbai, IND  
•Created and revamped apps and webpages for various clients using Python, JavaScript and HTML.

**EDUCATION  
  
M.S, Computer Science and Systems (Data Science) Dec 2016** University of Washington, 3.65/4 USA  
**B.S, Computer Science Apr 2014**EIILM, 7.6/10 IND

**ACADEMIC RESEARCH AND PROJECTS  
  
Website Categorization Jan 2017**  
• Implemented Machine learning model for website categorization.

• Currently training Naive Bayes model to predict the categories for the websites.

• Created pipeline, to scrap the content from the websites and uploading into MySQL using Python.  
  
[**User Profiling with Social Media Generated Content**](http://jayantkeswani.com/User%20Profiling%20Facebook%20Data.pdf) **Mar 2016**  
• Achieved ~70 percent prediction accuracy by implementing an ensemble of multiple machine learning algorithms using Python.

• Predicted a user’s gender, age and personality based on their Facebook information.  
  
[**Simulation and Visualization of Sorting Techniques**](https://www.youtube.com/watch?v=U2NDrsaTJOw&t=12s) **Nov 2015**  
• Created a tool to visualize 5 sorting algorithms in parallel to better understand variations in their performance over random customizable datasets.

• Conducted an empirical study on the time complexity of the algorithms.