

Summary

- A passionate Data enthusiast with experience in handling critical Data integration, Software engineering and product development projects.
- I am trained in developing intelligent data products using the right Machine learning algorithms with a scalable technology suite given the dataset. In addition, I can also reason the anomalous behavior of algorithms when expected does not happen.
- Result oriented, self-driven team player with abilities to handle multiple assignments at a time.

Masters in Information Systems Management, Heinz College, Carnegie Mellon University May 2017

MOOC: Deep learning for coders by FastAI, Introduction to Apache Spark by Edx, Python by Edx.

Bachelors in Information Technology, SRM University, Chennai *April 2013*

Skills

Scripting and querying Languages: Python, Java/J2ee, C++, JavaScript, HTML, SQL, MongoDB

Machine learning/ Scientific programming: Numpy, Scipy, Sci-Kit learn, Keras, Theano.

Problem solving, hypothesis definition, use-case design, market research and Business Analysis.

Academic Projects

Airbnb price prediction tool September 2016- December 2016

- A pure python tool which predicts the price of an Airbnb listing based on its features and locational significance. It also considers competitor pricing and accordingly suggests a price.
- In addition, it provides information like other nearby Airbnb listing price stats and advertisement suggestions.
- Performed cross validation and achieved accuracy score of 70% with limited dataset for the city of Pittsburgh.

Altair Viz – A data visualization tutorial September 2016- October 2016

- Designed a tutorial for Altair-Viz, a new upcoming visualization library. Tutorial also gives a brief history on descriptive programming languages and evolution of visualization libraries.

Hilti Quiz-Train **August 2015- December 2015**

- Hilti Quiz-Train is a native android application developed for Hilti mobile challenge 2016.
- Developed the backend using Spring Data framework and Synchronous Volley Framework. Responsible for material design philosophy adherence in mobile app.
- Completed second in the competition which saw a participation of over 120 teams around the world.

Experience

Data Engineering Intern, SingTel DataSpark Analytics, Singapore *Summer 2016*

- Created an Apache Spark Job configurator tool from the scratch in an agile environment to automate the creation of complex ETL job configuration files.
- Exported the tool as a proprietary of DataSpark to its clients with documentation and tutorials.

Assistant Systems Engineer, Tata Consultancy Services, Chennai *June 2013 – May 2015*

- Held accountable for project estimation, use-case design, development, performance testing and rollout activities of a critical data integration project for a US based retailer.
- Actively involved in developing and documenting proof-of-concepts with data transformation and processing frameworks which was later utilized across the client projects as boilerplates.
- Received Technically excellency award for successfully completing three of the eight major releases in the project.