

Education

North Carolina State University, Raleigh, USA

Aug 2017 – anticipated May 2019

Master of Computer Science, Data Science track, CGPA = 3.67

- Relevant Coursework: Spatial and Temporal Data Mining, Data Driven Decision Making

Vellore Institute of Technology, Vellore, India

2011 – 2015

B. Tech. Information Technology, CGPA = 8.54 / 10

- Relevant Coursework: Artificial Intelligence, Probability and Statistics, Linear Algebra, Operations Research, Data Structures and Algorithms, Object Oriented Programming in C++

Technical Skills

- **Python** (numpy, pandas, scikit-learn, matplotlib), R, **C++**, C, SQL, **Git**, Agile software development
- Web applications using AngularJS, React-Redux, JavaScript, Node.js, npm, HTML, CSS, Highcharts.js

Technical Projects

Spatial and Temporal Data Mining

January 2018 - present

- Implementing **CNN** on high-resolution satellite images to estimate economic indicators of nations. Extending research done by <http://sustain.stanford.edu/predicting-poverty>.

Kaggle – Titanic: **Machine Learning** from disaster

May – June 2017

- Implemented ML techniques (**Logistic Regression, SVM, Random Forest Classifier**) to determine the likelihood of survival of passengers. (scikit-learn)
- Plotted bar graphs of *survived* attribute (target class) with respect to other variables to select features with highest predicting power. (pandas, matplotlib).
- Link: <http://www.kaggle.com/akshitmeghaw/for-beginners-pandas-matplotlib-and-sklearn/>

Operations Research

July – September 2014

- Implemented **PERT-CPM** for project management enabling prediction of risk factors and critical path requirements for software product goals. (C++)

Work Experience

McKinsey & Company, Bangalore, India

January 2015 – April 2017

Junior Digital Analyst, Technical Intern

- Developed **data-driven analysis & visualization** tools for **10+ clients/companies** from wide range of industries (insurance, pharmaceutical, shipping, government etc.). (AngularJS, Node.js, Highcharts.js)
- Built an event/initiative tracking software for organizations to systematize data collection and management. It helped in prioritization of resource allocation, scheduling and cost control. Also helped in measuring KPIs for impact assessment and future planning. The software is used by **>5 government organizations** and **>10 NGOs in Africa**.
- Handled unstructured data in partnership proposals for a shipping company for better route design and delivery.
- Streamlined the recruitment process for a Cruise Line Agency. Created an interface which enabled recruiters to compare and review multiple applicants' skills with minimal effort. Reduced recruitment process cycle **from 2 weeks to 4 days**.
- Developed an end-to-end solution for an insurance firm to auto-consolidate data from various international data sources (OECD, World Bank etc.) and provide macro-level analysis.

Trusted Shares & Investment Ltd, Mumbai, India

June – July 2013

Software Developer Intern

- Developed a suite of software programs in C++ to simulate and optimize the **Turtle Trading model** by **Richard Dennis** enabling **statistical and heuristic analysis of large amounts of financial data**.

Certifications

- Machine Learning by **Andrew Ng** (Stanford University), Coursera (November 2015).
<https://www.coursera.org/account/accomplishments/verify/N9DARAZY5X66>
- **R Programming** by John Hopkins University, Coursera. (August 2016)
<https://www.coursera.org/account/accomplishments/verify/ZU9GMJZVGX2W>