

Akshit Meghawat

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EDUCATION

- **North Carolina State University** Raleigh, NC
Master of Computer Science, Data Science track; GPA: 3.67 August 2017 - anticipated May 2019
- **Vellore Institute of Technology** Vellore, India
Bachelor of Technology in Information Technology; GPA: 8.54/10.0 July 2011 - May 2015

PROJECTS

- **Spatial and Temporal Data Mining** (python, tensorflow, keras, caffe, R) Jan 2018 - April 2018
 - Implemented **Convolutional Neural Network** and transfer learning on satellite images to estimate economic indicators of nations.
 - Trained a CNN model on satellite images downloaded from Google Static Map API to predict night-time light intensity of specific countries in Africa
 - Also fine-tuned a pre-trained caffe model working on ImageNet dataset to predict poverty (Explored research done by <http://sustain.stanford.edu/predicting-poverty>).
- **Data Driven Decision Making** (python, nltk) August 2017 - November 2017
 - Built an application (assistant) for swimming pool owners for hassle-free pool usage and maintenance.
 - Collected data from LexisNexis universal database and online surveys. Performed text analysis (word tokenization, frequency analysis, stopwords removal etc.) on the data to identify key areas of improvement and the most important concerns/complaints for swimming pool owners.
 - Performed calculations on swimming pool data (pH level, chemical cost etc.) and weather data to provide optimal decisions for pool usage and maintenance.
- **Operations Research** (C++) July 2014 - September 2014
 - Implemented **PERT-CPM** for project management enabling prediction of risk factors and critical path requirements for software product goals.

SKILLS

- **Languages:** python, R, MATLAB, C++, C, JavaScript, HTML, CSS, SQL
- **Libraries:** numpy, pandas, scikit-learn, matplotlib, nltk, Highcharts.js
- **Frameworks and Tools:** Git, iPython, RStudio, TensorFlow, Keras, Caffe, MySQL, MATLAB, AngularJS, Bootstrap, Node.js, JSON

EXPERIENCE

- **McKinsey & Company** Bangalore, India
Junior Digital Analyst, Technical Intern January 2015 - April 2017
 - Developed **data-driven analysis & visualization** tools for **10+ clients/companies** from wide range of industries (insurance, pharmaceutical, shipping, government etc.). (JavaScript, 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**.
 - 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
Software Developer Intern June 2013 - July 2013
 - 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, MATLAB (November 2015). [link](#)
- **R Programming** by John Hopkins University, Coursera (August 2016). [link](#)

RELEVANT COURSEWORK

- Spatial and Temporal Data Mining, Data Driven Decision Making, Probability and Statistics, Linear Algebra, Operations Research, Artificial Intelligence, Data Structures and Algorithms, Object Oriented Programming in C++