Akshit Meghawat

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Raleigh, NC

EDUCATION

- **North Carolina State University** — Raleigh, NC
  Master of Computer Science, Data Science track; GPA: 3.67 — *August 2017 - anticipated May 2019*
  - Courses: Spatial and Temporal Data Mining, Data Driven Decision Making, Foundations of Data Science, Design and Analysis of Algorithms, Artificial Intelligence, Database Management Systems

- **Vellore Institute of Technology** — Vellore, India
  Bachelor of Technology in Information Technology; GPA: 8.54/10.0 — *July 2011 - May 2015*
  - Courses: Probability and Statistics, Linear Algebra, Operations Research, Object Oriented Programming in C++

PROJECTS

- **Combining satellite imagery and ML to predict poverty** (python, tensorflow, keras, R) — *Jan 2018 - April 2018*
  - Implemented **Convolutional Neural Network** and transfer learning on satellite images to estimate poverty of nations.
  - Trained a CNN model on ∼5000 satellite images downloaded from Google Static Map API to predict night-time light intensity of specific countries in Africa. Achieved an accuracy of 65%.
  - 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).
  - https://github.com/akshitmeghawat/csc591-predicting-poverty

- **Enron fraud detection** (python, numpy, pandas, scikit-learn) — *August 2017 - October 2017*
  - Employed machine learning algorithms to identify Enron Employees who may have committed fraud based on the public Enron financial and email dataset.

- **Project Management with PERT-CPM** (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, Bootstrap, Highcharts.js
- **Frameworks and Tools**: Git, iPython, Jupyter, RStudio, TensorFlow, Keras, Caffe, MySQL, MariaDB, MVC, AngularJS, Node.js
- **Others**: Agile Software Development, SCRUM

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. link — *November 2015*
- **R Programming** by John Hopkins University, Coursera. link — *August 2016*