

Akshit Meghawat

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EDUCATION

NC STATE UNIVERSITY

MASTER OF COMPUTER SCIENCE:
DATA SCIENCE TRACK
Expected Dec 2018 | Raleigh, NC
CGPA: 3.78

VIT UNIVERSITY

B.TECH INFORMATION TECHNOLOGY
May 2015 | Vellore, India
CGPA: 8.54 / 10

COURSEWORK

GRADUATE

Spatial and Temporal Data Mining
Data Driven Decision Making
Foundations of Data Science
Database Systems
Design and Analysis of Algorithms
Artificial Intelligence

UNDERGRADUATE

Probability and Statistics
Linear Algebra
Operations Research
Object Oriented Programming C++

SKILLS

PROGRAMMING

Expert:

Python • C++

Numpy • Pandas • Sklearn

JavaScript • HTML • CSS • AngularJS

Intermediate:

TensorFlow • Keras • Matplotlib

C • R

Node.js • SQL • MongoDB • MySQL

Beginner:

ReactJS • Java • Matlab

VERSION CONTROL

GitHub

OTHERS

Agile Software Development

SCRUM • MVC

CERTIFICATIONS

Machine Learning by **Andrew Ng**
(Stanford University), Coursera, Nov
2015

EXPERIENCE

TRUSTED SHARES & INVESTMENT LTD | DATA SCIENCE INTERN

Summer 2018 | Mumbai, India

- Developing a suite of machine learning algorithms to predict equity movement in Indian stock market.
 - Developing a set of software programs to assist portfolio and fund management.
- Tech : Python, Pandas, Sklearn, Tensorflow, C++, Git

MCKINSEY & COMPANY | JUNIOR DIGITAL ANALYST

Jan 2016 – Apr 2017 | Bangalore, India

- Developed **data-driven analysis & visualization** tools for **10+ clients** from wide range of industries (insurance, pharmaceutical, shipping, government etc.)
- Major Project:**
- 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** in Africa.

Tech : JavaScript, HTML, CSS, Highcharts.js, Git, AngularJS, ReactJS, Bootstrap, Node.js, MongoDB

PROJECTS

COMBINING SATELLITE IMAGERY AND ML TO PREDICT POVERTY | <https://goo.gl/YGCb8H>

Spring 2018

- Implemented **convolutional neural network** with transfer learning (**architecture inspired from VGG-16**) to extract features from daytime images (downloaded from Google Static Maps API).
- This was further combined with nighttime light intensity to classify countries in Africa on the basis of poverty into 3 different classes.
- Achieved validation accuracy of 68%.

Tech : Python, Keras, TensorFlow, R

ENRON FRAUD DETECTION

Fall 2017

- Implemented ML algorithms to identify Enron Employees who may have committed fraud based on the public Enron financial and email dataset.
- Trained a Decision Tree Classifier with AdaBoost to identify 'persons of interest (POIs)' with features from financial data and metadata of email dataset.

Tech : Python, Numpy, Pandas, Sklearn

DATABASE DESIGN PROJECT

Spring 2018

- Designed a database system and created a desktop application for a hotel chain to generate reports, store, manipulate and search check-in information.
- Utilized RDBMS concepts of access control, integrity constraints, triggers, stored procedures.

Tech : SQL, MySQL, Java, JDBC

EXTRACURRICULAR

2012 - 2014 Member, Computer Society of India, VIT University branch, India.
Organized events and conducted seminars.