Megha Lokanadham

CONTACT INFORMATION

Cell: +91 957-368-7308
Email: meghalokanadham4@gmail.com

INTERESTS

Data Analysis, Machine Learning, Deep Learning, Computational Data Science & Big Data.

EDUCATION

Jawaharlal Nehru Technological University
Hyderabad, India *July 2012 - June 2016*
Major: Information Technology (Bachelor's of Technology)
*Cumulative Performance Index (CPI) of **6.9** on scale of 10*

R.N. Podar School
Mumbai, India *June 2009 - May 2011*
High School (Class XII), C.B.S.E
*Cumulative Performance Index (CPI) of **8.00** on scale of 10*

Delhi Public School
Gurgaon, India *June 2006 - March 2009*
Secondary School of Education (Class X), C.B.S.E
*Cumulative Performance Index (CPI) of **8.42** on scale of 10*

CERTIFICATES

International School of Engineering
Hyderabad, India *May 2015*
Course: Data Analytics: Level 1

John Hopkins University
Baltimore, Maryland *July 2015*
Coursera: R Programming

John Hopkins University
Baltimore, Maryland *November 2015*
Coursera: Getting and Cleaning Data

International School of Engineering
Hyderabad, India *January 2016 - July 2016*
Course: Big Data Analytics and Optimization

PROJECTS

Regression Models for Customer Data *Feb 2016*

A Linear Regression Model and a Logistic Regression Model were built for two distinct problems on the customer data provided by a large toy manufacturer. The accuracy was 94.3% for the model.

Job Recommendation Engine *July 2016*

Quickhire's dataset was used to build a **collaborative based recommender system** in R. Further explanatory data analysis was done on the dataset to improve the recommendation model.

College Scorecard - Final Year Project *April 2016*

The goal of the project was to ensure that a student makes the best choice of university to apply for so that the debt he/she faces after graduation is low. So, an algorithm was written in order to help the student make this choice. The dataset was taken from the US Department of Education's website. We used this dataset to do some additional explanatory data analysis and also created a leaflet map which categorized universities on the basis of it's median debt.

Classification Model for Hepatitis *May 2016*

The aim of the project was to build a classification model to predict whether a person will die because of hepatitis or not based on certain given parameters (age, gender, steroid, fatigue, anorexia etc.). The classification model was built using **Random Forests** in R and the accuracy of the model was 78.18%.

Classification for German *Feb 2016*

The classification was done for good v/s bad speakers for german based on certain features given in the dataset. A **deep learning network using auto encoders** was used to build the classifier using the 'h2o' package in R. Further features were extracted to improve on the network. The precision of the classifier was 75.48%.

Top-N Trending Twitter Hashtags *May 2016*

A storm topology was built using Apache Storm to display the Top-N Trending hashtags on Twitter in Real-Time. The project was part of a Udacity course.

INTERNSHIPS **Associate Intern** *September 2015- December 2015*
Company: Actifio

Worked on a reporting feature of the virtual data pipeline of the company wherein data from their various products would be consolidated to generate timely and on-demand reports. The work involved a lot of data pre-processing and consolidation.

Innovator *May 2016*
Digital Impact Square

Worked as a social innovator at a center established by TCS and MIT under the MIT Emerging Worlds initiative. The project I worked on revolved around building micro financing guidance and recommender system for rural women in India in order to help them establish sustainable business models.

TRAINING **WISE Program** *October 2012 - March 2014*
Talent Sprint - Hyderabad, India

Topics Learnt: C, Java, Python, Web Development (HTML5, CSS3 and JavaScript)

Big Data Analytics and Optimization *Jan 2016 - July 2016*
International School of Engineering - Hyderabad, India

Topics Learnt: Fundamentals of Probability and Statistical Methods, Big Data with R and Hadoop Ecosystem, Decision Modeling, Text Mining, Social Network Analysis, NLP, Advanced ML (Genetics Algorithm, Simulated Annealing, Neural Networks, Deep Learning, Naive Bayes, PCA, Ensemble Methods, Classification Methods (Random Forests, SVM etc), Clustering Techniques, Recommender Systems etc)

SKILLS

Programming

C, Java, **R**, Python, SQL, JavaScript, HTML5

Techniques

Decision Modeling, Big Data Analytics, Text Mining, Machine Learning, Deep Learning, Classification Models

Software

Microsoft Office Suite; **Environment -** R Studio, Eclipse, Oracle 9i, MySQL; **Operating Systems -** Windows, Ubuntu, Mac OS X **Frameworks -** Tensorflow

ACTIVITIES

Participated in a REDX Health Tech Camp in Nashik and worked on Health Tech challenges presented by MIT Media Lab.
Team Lead for Java Module 3 - Talent Sprint WISE Program

ADDITIONAL INFORMATION

Permanent Residency for USA available.