LAKSHMIMANASWITHA CHIMAKURTHI

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Available for Full-time positions starting May 2019

EDUCATION

Northeastern University, Boston, MA
College of Computer and Information Science — Jan 2017- Present
Candidate for a Master of Science in Data Science — Expected Graduation: May 2019
Relevant Courses: Data Management & Processing, Collecting, Storage and Retrieval of Data, Information Retrieval, Supervised Machine Learning, Unsupervised Machine Learning, Algorithms, Natural Language Processing

VR Siddhartha Engineering College, India — Apr - 2016
Bachelor of Technology in Information Technology
Relevant Courses: Database Management Systems, Data Warehousing, Data Mining, Business Intelligence

TECHNICAL KNOWLEDGE

Programming: Python, R, SQL, C++, Java, Matlab, Awk
Databases: Oracle, MySQL, SQL Server, MongoDB
ML Libraries: Scikit Learn, Pandas, ARIMA
Deep Learning: Tensorflow, Keras
Data Visualization: Tableau, Excel, ggplot, R Shiny ,Plotly, Matplotlib, Jupyter Notebooks
Big data Technologies: Hadoop, Spark
Cloud Technologies: AWS, Elasticsearch
Containers: Docker

PROFESSIONAL EXPERIENCE

Channing Division of Network Medicine, Brigham and Women's Hospital — May 2018-Present
Data Science Co-op

- Performed an entropy based clustering on various Lung-Tissue expression and methylation datasets and identified the cases/controls of Copd and clinical associations for each cluster and visualized the results using ggplot in R.
- Developed a docker image for cheweb (A tool for visualizing Channing's GWAS results)

INDEPENDENT PROJECTS

Movie Recommender System (Python)

- Developed a movie recommender system using collaborative filtering approach that suggests movies based on users past ratings for other movies.

Churn Prediction (R and Machine learning)

- Developed an ensemble model on Telecom Dataset which predicts the customers who are likely to churn and achieved an accuracy of 87% on test data.

ACADEMIC PROJECTS

Northeastern University, Boston, MA — Jan 2017 - Dec 2017
Understand Local Business Dynamics and Neighborhood characteristics with Yelp Data (Python)

- Clustered the Yelp businesses data and Census data to identify how the local business dynamic patterns associate with population characteristics of the neighborhood and visualized the results using matplotlib.

Prospect of Data Related Jobs in US (R, MongoDB, Plotly)

- Scraped the Glassdoor salaries for data related jobs across US states and stored the data in MongoDb.
- Queried the database and Identified the top paying states, top hiring states and visualized the results using Plotly.

Search Engine (Python)

- Developed an Inverted Index and Search Engine over 80k document collection and provided a ranked list of documents using Okapi, BM25 retrieval models for a given set of user queries.