Kaushal Kanakamedala

https://kaush4l.github.io/

Computer Science & Engineering

+1 (919) 939 – 4399 | kkanakam@uncc.edu

OBJECTIVE

To work hard with full determination and dedication to achieve organizational as well as personal goals.

EDUCATION

University of North Carolina at Charlotte – USA — May 2017 (Expected)
M.S. Computer Science — GPA: 3.55 (till date)

SRM University – Chennai, India — June 2011 – April 2015
B.Tech - Information Technology — CGPA: 3.7

SKILLS

Programming Languages	**Java, Python,** R
Scripting Language	**Linux / Unix**
Web Development	**HTML5, CSS3, JavaScript, JSP,** PHP, Typescript
Database	**SQL / MySQL**
Web Services	**JSON, XML, Firebase, REST**, AWS
Framework	**Angular JS, Springs,** Ionic, Cordova
Version Control	**GIT**
Tools	**Android Studio, Eclipse**, **NetBeans, MySQL Workbench,** Microsoft Visual Studio

PROJECTS

Movie Recommender system https://github.com/kaush4l/MovieLens-Movie-Recommander-system **Nov 2016 - Dec 2016**
Build a recommender system basing on tweaked Jaccard coefficient for better matching of similarity. Built the system in Hadoop and Spark and compared the outputs for similarities. Used MovieLens Dataset for the project.

PageRank implementation https://github.com/kaush4l/PageRank **Oct 2016 - Nov 2016**
Calculated the PageRank of an input set of hyper-linked Wikipedia documents using Hadoop MapReduce and Spark. Implemented a basic search engine which takes user-queries as input for processing.

Weight term frequency **Sept 2016**
Implemented a term frequency count for large data processing and score using inverse document frequency. Implemented in Cloud technologies using Hadoop and Spark frameworks. The whole project was done using Cloudera tools and Eclipse.

FedEx Tracking System https://github.com/Aninditha/FedEx-Tracking-System **Jan 2017**
A Java MVC Web Application that a user can query with a Tracking number to get the packet status and travel history. Packets are updated using a thread pool and its shortest path is computed using Dijkstra's algorithm through a list of given centers.

LZW Compression https://github.com/kaush4l/LZW-Compression **Mar 2016**
Implemented a lossless and adaptive compression algorithm which has no prior knowledge of input data distribution using a table-based lookup. With a compression ratio of 0.38 for a sample dataset. (Higher the redundancy, lower the ratio).

Distributed action rule in MapReduce **Nov 2016**
Implemented Random Forest Algorithm using MapReduce framework to calculate action rules based on Grabbing strategies and Association action rules.

FedEx Tracking system ***Jan 2017***
Created a database of 1000 packages and updated them simultaneously using a thread pool. Computed the shortest path using Dijkstra's algorithm for the delivery of a package through a list of given FedEx distribution centers. A user can query the system with a unique tracking number and get the packet status and history.

Mood and music correlation using python ***May 2016***
Build a mood recognition system using python which analyses the mood of the person based on the song being played.

Visual Analytics using D3 ***Nov 2016***
Created a D3 visual model for analysis of a company employee's data. The data set had plants, sub-divisions and teams of the company and its employee's. the data set was provided by Daimler company for real time analysis.

Complaint portal website ***Dec 2016***
Created a complaint portal website with user functionalities and database. The website was dynamic and secured against basic web attacks by using JSTL tags. The database was also secured using hashing and salting functionalities.

Traffic data analysis using R ***April 2016***
Used R as an analytic tool to understand the traffic pattern and to analyze and predict the traffic pattern. Used various tools provided by R to make the analysis. The projects was completed in R Studios.

ABILITIES

Keep observer, Attention to detail, Quick learner, Ability to adapt quickly, Team worker, Problem-solving and decision making.

WORK & PORTFOLIO

LinkedIn	**GitHub**	**Portfolio**
https://www.linkedin.com/in/kauhs4l	*https://github.com/kaush4l*	*https://kaush4l.github.io/*