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RAHUL CHOWDHURY

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EDUCATION

University of Colorado Boulder

Master of Science - Computer Science with Data Science and Engineering Sub plan

May 2019

GPA: 3.32/4.0

Relevant Courses: Machine Learning, Statistical Methods, Statistical Collaboration, Database Systems

Vellore Institute of Technology

Bachelor of Technology - Computer Science and Engineering

May 2017

GPA: 8.57/10

Relevant Courses: Data Structures and Algorithms, Data Mining and Warehousing, Object Oriented Paradigm and Programming, Applied Probability and Statistics

TECHNICAL SKILLS

Programming Languages: Python, R, Java, MySQL, JavaScript, PHP

Frameworks & Software: TensorFlow, Keras, Git Version Control, Amazon Web Services, Hadoop, Map Reduce, Flask, Pandas, Numpy, Anaconda, Google Analytics, Google Home and Alexa API Developer Console

Programming Environments: Linux, MacOS, Windows

WORK EXPERIENCE

LISA – Applied Math Department - CU Boulder, CO Statistical Collaborator

Aug 18 - Ongoing

- Collaborated with domain experts from interdisciplinary fields to infer meaningful insights with data science/statistics.
- Trained with required skills to communicate and present results to statistical concepts and inferences to non-statisticians.

CenturyLink – Denver, CO

Software Engineering and Data Science Intern

May 2018 – Aug 2018

- Developed a Python framework to log data from the Digital Home Application using the Google Analytics API.
- Utilized the Elasticsearch, Logstash and Kibana stack to create data visualizations for the software engineering team.
- Embedded Google Analytics API to the Digital Home Application backed to log data for further data science/analytics.
- Used Vert.x Java library to connect the Digital Home Application to the Amazon Alexa API.

CU Boulder – Computer Science – CU Boulder, CO

Student Assistant

Aug 2017 – Dec 2017

- Develop class demonstrations and examples of Data Mining using Python in Jupyter Notebook.
- Mentor students for the various Data Mining projects undertaken by them during the semester.

Edmingle Learning Management Systems – Chennai, India

Data Science Intern

Dec 2014 – May 2015

- Conceptualized a course recommendation system used by various small schools and private tutors in Southern India.
- Used sophisticated Data Mining algorithms such as Apriori Rule Mining for generating frequent course itemsets.
- Used K-Means algorithm to cluster similar courses and student profiles and recommend the next course accordingly.

Google Developers Group – Vellore, India

Senior Developer

June 2014 - Sep 2015

- Developed a web platform called Admin Panel to help manage VIT University's various student clubs and chapters to manage their daily tasks, events and meetings in a hassle-free manner.

PROJECTS

CLI Interface for Cassandra Database

Fall 2017

- Developed a CLI (command line interface) for handling simple queries such as showing, listing and using keyspaces on the Cassandra database.

GRDB – Open Source Graph Database

Fall 2017

- GRDB is an open source graph database developed at CU Boulder under the supervision of Professor Frank Miller.
- Implemented Dijkstra's algorithm on GRDB to find shortest distance between two nodes in the given graph.

PUBLICATIONS

A Classification Model to Analyse the Spread and Emerging Trends of the Zika Virus in Twitter

ICCIDM Springer - 2016

Using Ensemble Learning and Association Rules to Help Car Buyers Make Informed Choices

BDAW – ACM 2016

EXTRA-CURRICULAR ACTIVITIES

Emotional Quotient (EQ) Training, University of Colorado Boulder

Fall 2017

Certified in EQ workshop focussed on understanding emotional awareness, conflict resolution and decision making.

Bridges International at University of Colorado Boulder – Student Leader

Fall 2017

Organized meetings and workshops for Bridges International, an organization working with international students.