

Nisha Bhanushali



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Education

Master in Computer Science | GPA: 3.2/4.0

Rochester Institute of Technology; Rochester, NY — Aug 2015 / May 2018

Data Structures and Algorithms, Big Data Analytics, Data Cleaning and Preparation, Web Services, Distributed Systems, Computer Networks

Bachelor of Computer Engineering | GPA: 3.5/4.0

University of Mumbai, Mumbai, India — Aug 2011 / May 2015

Analysis of Algorithms, Artificial Intelligence, Data Warehouse and Mining, Operating Systems

Experience

Analytics & Data Science Intern

Excellus BlueCross BlueShield, New York – Jun 17 / Aug 17

Currently working on exploratory analytics for Medicare Profiling and Segmentation initiatives using R and SAS

Graduate Student Grader

Rochester Institute of Technology, New York — Jan 17 / May 17

(Big Data Analytics & Data Communication and Networks)

Tutoring students with their respective course work to enhance their knowledge.

Assist professor to design and grade assignments, projects and quizzes.

Certification

Advanced Graduate Certificate, Big Data Analytics – Rochester Institute Of Technology, New York

Machine Learning Course, Coursera – Online (In Progress)

Skills

Programming Languages : Java, Python, R, Javascript, HTML5, CSS, XML, SQL, JQuery

Operating System : Linux, Mac OS, Android, Windows

Databases : MongoDB, Neo4j, Microsoft SQL, PostgreSQL, Oracle

Tools : Eclipse, PyCharm, Tableau, Weka, Gradle, Junit, Log4j, SOAP

Projects

User's Social Profile-based Web Service Discovery: Neo4j, Java

Implemented a distributed web service discovery process based on the user's social networks.

Achieved satisfactory web service discovery results by taking into account the best social friendships of the current user and the past invocation history.

API Search Engine: MongoDB, Node JS, Jade, Javascript

Developed a web-based query system that parse, store, manage & analyze the service (API & Mashup) data retrieved from Programmable Web. Improved the accuracy of keyword based API / Mashup discovery.

Product Search at Nearest SuperMarket: HTML5/CSS, Javascript, JQuery

Developed a web application to locate the nearest supermarkets for a product and display the shortest distance to reach it. Invoked web services using SOAP based & RESTful services to parse the response in JSON format.

Stackoverflow Question Tags Analysis: Python, R, Weka

Performed text mining to visualize the trends of different question tags. Built a robust model to predict the total number of responders and earliest response time to answer a posted questions.

Diabetic Patients Data Analysis: Python, Weka

Used data mining algorithms to discern characteristics of the diabetic patients. The resultant model predicts whether a patient would be readmitted to the hospital within 30 days or not.

Hotel Advisory: Java, Android

Built an android application which suggests the top hotels in a city and provides feedback for the hotel based on the reviews given by the people. Performed Sentiment analysis using Naive Baiyes supervised learning algorithms.

Distributed Map Reduce Architecture: Java, Network Programming

Built a map-reduce framework for heavy computations which allows processing large data files by job tracker(master) who balances the load among the distributed slave nodes

TCP Congestion Control Flavors: Java

Implemented & Compared TCP Reno, Tahoe, Go-Back-N and Stop-N-Wait congestion control approaches with object oriented programming.

File Sharing System: Java, Network Programming

Developed a file sharing system for insertion, deletion, retrieval and tracking of the files in a peer-to-peer network based on Chord architecture.