

ARUKSHA GROVER

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OBJECTIVE

To obtain a challenging opportunity in the field of computer science in Spring/Summer 2017.

EDUCATION

THE UNIVERSITY OF TEXAS AT DALLAS, Richardson, Texas, USA

(Expected May 2017)

Master of Science in Data Science, GPA 3.2/4

INDIRA GANDHI INSTITUTE OF TECHNOLOGY, India

(June 2015)

Bachelor of Technology in Computer Science, GPA 80.14%

COMPUTER SKILLS

LANGUAGES : C, C++, JAVA, R, HTML, Scala

DATABASES : PostgreSQL, JDBC, PL/pgSQL

BIG DATA TECHNOLOGIES : Scala, HADOOP-Map-Reduce, HDFS, Spark, WEKA

WEB DEVELOPMENT- :HTML5, CSS, JAVASCRIPT, PHP, jQuery, Bootstrap

Business Intelligence Tools :Google Analytics, Tableau, Amazon Quick Sight, Qlik View, Flurry

RELEVANT COURSEWORK

MACHINE LEARNING DESIGN AND ANALYSIS OF ALGORITHMS NETWORK SECURITY MATLAB KNOWLEDGE(B.Tech)

DATABASE DESIGN BIG DATA ANALYTICS

DATA STRUCTURES

EXPERIENCE

DATA SCIENCE INTERN VOLUNTEER (MAGZTER, NEW YORK, USA)

(MAY 2016-JULY 2016)

Implemented a recommendation engine that is used to recommend users the books they might like using PHP and PostgreSQL..

Analyzed the progress of company by using **tableau**, Amazon Quick Sight, Qlik View, Google Analytics and Flurry.

SOFTWARE DEVELOPER PART TIME INTERN(LUMINOUS E-SOFT SOLUTIONS), DELHI, INDIA

(AUGUST 2014-JULY 2015)

Gathered the requirements from senior software engineer and project manager and converted the requirements to functional aspects and implemented the changes requested in JAVA. Also, developed some websites using PHP and SQL.

SOFTWARE DEVELOPER INTERN ,

(JUNE 2014 -AUGUST 2014)

DRDO (DEFENCE RESEARCH AND DEVELOPMENT ORGANISATION), DELHI, INDIA

Developed *SCENARIO GENERATION UTILITY FOR CONSTRUCTIVE SIMULATION APPLICATION* using **JAVA** at DRDO, DELHI.

ACADEMIC PROJECTS

LIBRARY MANAGEMENT SYSTEM

(JUNE 2016)

Implemented a library management system using web technologies.

SKILLS USED: JAVASCRIPT, PHP, CSS, SQL, HTML

WEBSITE FINGERPRINTING

(APRIL 2016)

Implemented our own ensemble classifier (combination of Liberator Classifier, Jaccard Classifier, VNG PLUS PLUS Classifier) along with different counter measures to prevent the traffic analysis by hackers.

SKILLS USED: MACHINE LEARNING, PYTHON, UNIX

SECURE VOIP APPLICATION USING SIP AND RTP

(APRIL 2016)

Developed a secured VoIP application using SIP and RTP and implemented various security features available over it, such as adding intrusion detection/prevention system, issuing signed certificates to users.

SKILLS USED : Linux, Java

FRIEND RECOMMENDER ALGORITHM

(JAN 2016)

Implemented a friend recommender algorithm. The key idea is that if two people have a lot of mutual friends, then the system should recommend that they connect with each other. **SKILLS USED :** JAVA, HADOOP, HDFS, MAP-REDUCE

TWEET ANALYSIS USING K-MEANS AND JACCARD DISTANCE

(NOV 2015)

Clustered similar tweets together to generate an organized representation that can be useful for many Twitter based applications.

SKILLS USED: MACHINE LEARNING, JAVA, DATA STRUCTURES