

Rama Someswar Chittella

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SUMMARY OF QUALIFICATIONS

Recognized for multi-tasking, quick-learning and teamwork. Working on systems designed using C, C++ and Java. Utilizing Microsoft office tools for accounting reports, project presentations and marketing. Excellent interpersonal and communication skills, quick starter and good at solving complex problems

EDUCATION

Masters of Science in Computer Science

August 2017- May 2019(Expected)

Wright State University

Relevant Courses: Database Systems, Information Retrieval, Distributed Computing, Semantic Web, Knowledge Graphs

Bachelors in Technology in Computer Science

June 2013- May 2017

GITAM University, VISAKHAPATNAM, INDIA

Relevant Courses: Data Mining, Software Engineering, Artificial Intelligence, Computer Networks, Java, Operating Systems, Data Structures

PROFESSIONAL EXPERIENCE

Graduate Research Assistant

March 2017-Present

Wright State University

Technical skills used: Python, Sparql, Flask, Jinja2, RDF, Turtle, Apache Jena Fuseki

Investigate and develop methods for the navigation and visualization of large knowledge graphs and review of literature. Developing a front end web service using flask to run sparql queries on the flask server linking the graphs in the apache jena fueski server to it. Studying various RDF Graphs and its serialization format "Turtle"

Summer Internship Program

May 2016-June 2016

Hewlett Packard Enterprise

Technical skills used: Java, MySQL, JDBC, JSP

Focused on implementing our experience in Java, JDBC and MySQL. Completed a project on creating a database for a car company. Selected as team leader, to ensure that project phases are completed within deadlines

TECHNICAL EXPERTISE

- Programming Languages : C, C++, Java, JSP, Python, Javascript,
- Database : Oracle, Microsoft Access, MySql, Sql, Firebase
- Web Servers : Apache Tomcat, Apache Jena Fuseki
- Technologies & Frameworks : Flask, Jinja2, AndroidStudio, HTML, CSS
- Semantic Web : SPARQL, RDF, Turtle

ACADEMIC PROJECTS

Simple Search Engine and Text Mining

January 2018-April 2018

Technical skills used: Python, NLTK, SCIKIT, Chi-Square, Mutual Information, K-Means, hierarchical clustering

Main goal is to extract, index, classify and cluster data from a given mini 20 newsgroups dataset. Performed tokenization, preprocessed the extracted data and indexed it. Also developed inverted index for each document, sorted all terms and stored them to a pickle file. Performed classification on data using Chi-Square method and Mutual information methods followed by clustering using K-Means and Hierarchical Clustering methods. Implemented Boolean model for query processing and arranged documents in order of scores obtained from TF-IDF and cosine similarity values.

Banking Database System

August 2017-December 2017

Technical skills used: Java, JSP, MySQL

Developed a banking database system to create an account for a customer. Access is given to a banker who can create and manipulate the data in customer and account tables.. The admin is given the access only if the authentication is successful in order to view the actions performed in the log table

Web Services for Telemedicine DBMS

July 2016- April 2017

Technical skills used: Java, JSP, MySQL, HTML, CSS

Integrated web data services that satisfy fast response time for large scale Tele-health DBMS. Created a database for 4 modules and focused on database fragmentation, network sites clustering . Reached the end-goal of solving challenges such as failure-handling, load-balancing and data consistency. Improved the speed of data search and response rate for large scale Tele-health DBMS.