**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
* Designing Database and writing SQL queries
* Working on semantic web querying RDF data using sparql
* Front end web development using HTML,CSS,JAVASCRIPT,PYTHON AND FLASK
* Utilizing Microsoft office tools for accounting reports, project presentations and marketing
* Excellent interpersonal and communication skills, quick starter and good at solving complex problems
* Experience with operating systems MS Windows 10/7/XP, Mac OS, Linux

**EDUCATION**

**Masters of Science in Computer Science** August 2017- May 2019(Anticipated)

**Wright State University**

Relevant Courses: Algorithm Design and Analysis, Advanced 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 Warehousing & Data Mining, Software Engineering, Language Processors, Artificial Intelligence, Network Security, Computer Networks, Programming with Java, Operating Systems, Data Structures

**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.

**Design Challenge Project** January 2018-April 2018

*Technical skills used: Java, Android Studio, Firebase*

* Developed an android application called LOCUS, a voice translation mobile application
* In this application a tourist is connected to a guide using a GoogleMapsAPI where a tourist can find a guide to connect to him via mobile
* Used Speech-to-text API to convert voice to text output
* Guides and tourists will be able to register and login
* Tourists will be able to select guides from the available guides
* Tourists will be able to see the availability of guides on a map

**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

**TECHNICAL EXPERTISE**

* Programming Languages : C, C++, Java, JSP
* Database : Oracle, Microsoft Access, MySql, Sql, Firebase
* Web Servers : Apache Tomcat, Apache Jena Fuseki
* UX Design : HTML, CSS, UML, JavaScript
* Scripting : JavaScript, Python, PHP
* Technologies & Frameworks **:** Flask, Jinja2, AndroidStudio
* Semantic Web : SPARQL, RDF, Turtle
* Methodologies : Agile, waterfall and other SDLC Models
* Version Control : GIT

**PROFESSIONAL EXPERIENCE**

*Graduate Research Assistant*  March 2017-Present

Wright State University

* 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

* 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

**LEADERSHIP EXPERIENCE**

* Joint Secretary**, “**TECHCELLENCE 2.0”-ACM Student Chapter March 2016
* Member, Operations Committee- TICES 2015 February 2015
* Member, ACM Student Chapter 2014-2016
* Treasurer, “Indian Student Association” – Wright State University 2018-2019