



# SAVANTH KUMAR BATTIKADI

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## EDUCATION

### **Master's in Computer Science**

University of Arkansas, Fayetteville, AR, USA

**Expected: Dec 2020**

### **Bachelor's in Computer Science & Computer Engineering**

JNT University, Hyderabad, India

**July 2012 – April 2016**

## TECHNICAL SKILLS:

<b>Languages</b>	: Python, R, Java, C, C++
<b>Front-end</b>	: HTML 5, CSS 3, Bootstrap 4, Java Script
<b>Back-end/Database</b>	: JDBC, python ODBC, MySQL, SQL server, Cosmos DB, Cassandra
<b>Bigdata/ML-libraries</b>	: CUDA, Scikit, Apache Hive, PySpark, Kafka

**INTERESTS:** Classification Models, Natural Language Processing, Supply chain, Azure

## PROFESSIONAL EXPERIENCE:

### **University of Arkansas, Fayetteville, AR**

**January 2020 – Till Date**

#### **Teaching Assistant – Database Management Systems**

- Designed Assignments for students which closely resemble real world database schemas.
- Assisting over 100 students with assignments and overseeing their performance in the course.

### **University of Arkansas, Fayetteville, AR**

**August 2018 – December 2019**

#### **Research Assistant – Embedded Systems and System Design lab**

- Designed a cost-effective way of logistic regression by accelerating computation intensive tasks on GPU and achieved over 14 times the performance.

### **Defense Research & Development Organization (DRDO), Hyderabad, India.**

**Jan 2016 – May 2016**

#### **Co-op and Research Intern – Advanced System Laboratory (ASL)**

- A DARPA equivalent institute in India. I worked in multiple projects, my work includes conceptualizing and materializing front end for a ReactJs application. Stress testing GCC compiler using C-SMITH tool and evaluating feasibility of its use in guided missile systems. Assisted with process improvements and participated in multiple progress demos.

**CERTIFICATIONS:** Microsoft Certified Azure Fundamentals (AZ-900) – Certificate number: H527-5138

## MACHINE LEARNING/PERSONAL PROJECTS:

- **Azure WebApps:** Hosted interactive Portfolio Website on Azure using Static Webapps – HTML/JS/CSS
- **Large Scale Search Engine:** Designed a deployable search engine, handled scraping web, indexing files, normalizing words, resizing files to fixed length and query processing all from scratch - JAVA
- **Polarity of a corpus/Tweet:** Finds the sentiment of a person by his tweets, reviews on product-PYTHON
- **Support Vector Machine–** Predicting if a person has diabetes based on his health parameters – PYTHON
- **Auto completing a sentence** – Uses Markov chain, Shannon game and a context dictionary to replicate sentence suggestions feature of Google's search engine - JAVA

<https://github.com/bsavanth>