SAVANTH KUMAR BATTIKADI

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EDUCATION

Master's in Computer Science   **Expected: Dec 2020**
University of Arkansas, Fayetteville, AR, USA

Bachelor's in Computer Science & Computer Engineering   **July 2012 – April 2016**
JNT University, Hyderabad, India

TECHNICAL SKILLS:

Languages	:	Python, R, Java, C, C++
Front-end	:	HTML 5, CSS 3, Bootstrap 4, Java Script
Back-end	:	JDBC, python ODBC, MySQL, SQL server, Cassandra
Bigdata/ML-libraries	:	CUDA, Scikit, Hadoop – Map Reduce, Azure, Spark, 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.   **May 2015 – June 2017**
   Fulltime – 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. Collaborating with Scientist 'D' in designing a ROS infrastructure for the control system. 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