Santosh Kumar Aenugu

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EDUCATION

Oregon State University, Corvallis, OR   **September 2017 - June 2019**

Major: Computer Science, M.Eng. (Overall GPA 3.6/4.0)

Coursework: Deep Learning, Database Management Systems, Artificial Intelligence, Intelligent Agents and Decision Making, Software Engineering, Computer Architecture, Theory of Computation, Distributed Systems, Cyber-Security

Birla Institute of Technology and Science, India   **August 2013 – May 2017**

Coursework: Machine Learning, Data Structures, Algorithms, Operating Systems, Computer Networks, Cryptography

PUBLICATION

Vemula, S., Raju, K. S., Veena, S. S., & Santosh Kumar, A. (2018). Urban floods in Hyderabad, India, under present and future rainfall scenarios: A case study. Natural Hazards. (doi:10.1007/s11069-018-3511-9)

SKILLS

Python, C, Embedded C, Git, C++, SQL, Java

Linux Kernel, Operating Systems (Unix, Linux), Hadoop (HDFS, MapReduce)

PROFESSIONAL EXPERIENCE

Software Engineer (Display Team), Qualcomm   **June 2019 – Present**

1. Worked as a developer on Display Interfaces and MDP driver teams for the Android system
2. Improved the testing of offline rotator after fetching the upstream changes into downstream codebase
3. Developed a new feature for handling overlap pixels in various topologies available for Android
4. Published gerrits for the DSI and SDE changes along with MSM changes
5. Implemented the unloading aspect of probe in DLKM (Dynamic Loadable Kernel Modules)
6. Used Internal software to test the build with various changes upon each iteration of the Sprint
7. Participated in Scrums and collaborated with team using Scrum based Agile Methodologies

PERSONAL PROJECTS

MapReduce Engine (Hadoop, HDFS, MapReduce, Java, Python, Distributed Systems)

1. Implemented MapReduce with master and worker nodes for map-reduce operations on Hadoop
2. Developed a mapper and reducer scripts in Jython for parallel execution of MapReduce
3. Extracted word counts, pair counts of huge datasets on HDFS (Hadoop Distributed File System) single-node cluster

Personal Webpage ask1995.github.io (HTML, CSS, JavaScript, Bootstrap, React)
1. Created a personal portfolio page using React library and hosted on Github pages

HONORS AND AWARDS

1. Won Bronze Medal in Chess during National Sports Fest (Arena, 2015)
2. Won Honorary award from EECS(Electrical and Computer Science Department) at Oregon State University