

# SUDHARCHITH SONTY

[sudharchithsonty@gmail.com](mailto:sudharchithsonty@gmail.com) | (716)-431-8868

<https://github.com/SudharchithSonty> | <https://www.linkedin.com/in/sudharchithsonty/> | <https://sudharchithsonty.github.io>

## EXPERIENCE

|  |                                       |                            |
|--|---------------------------------------|----------------------------|
| <b>SOFTWARE ENGINEER</b>   | <b>VERITAS TECHNOLOGIES LLC</b>       | <b>DEC 2018 – CURRENT</b>  |
| <ul style="list-style-type: none"><li>Engineered and developed the Veritas Optimized Operating System (VxOS) based on RedHat 7.x. Developed feature updates for the VxOS SDK. (Python, Bash, Docker, Ansible).</li><li>Developed REST/FTP based APIs, as part of a Standalone Firmware Update and Recovery Environment that allowed users to Update/Rollback individual device firmware. (Python, Bash, Docker)</li><li>Developed REST based plugins and APIs that interact with various hardware components of the appliances and provide the necessary information. (Python, MongoDB)</li><li>Working on continuous integration pipelines responsible for performance, regression, and functionality testing of production deployment VxOS versions. (Jenkins, Robot).</li></ul> |                                       |                            |
| <b>SOFTWARE ENGINEER</b>   | <b>LASTLINE INC (VMWARE)</b>          | <b>OCT 2017 – AUG 2018</b> |
| <ul style="list-style-type: none"><li>Worked on the enrichment and expansion of the company codebase, code schemas, data schemas and storage infrastructure</li><li>Developed REST based APIs using Python, Flask that would allow for indexing of new kinds of threats and threat indicators.</li><li>Worked on a feature update using Cassandra, Elasticsearch and Python, for continuous indexing of the most malicious websites each day. The ratings would be updated for existing entries each day.</li></ul>  |                                       |                            |
| <b>ENGINEERING INTERN</b>  | <b>HEALTHEDGE SOFTWARE</b>            | <b>AUG 2017 – OCT 2017</b> |
| <ul style="list-style-type: none"><li>Worked on the migration of the Health Edge client software from a Java Swing AWT based UI to Angular JS.</li><li>Wrote and monitored load and performance tests using Jmeter and JProfiler.</li></ul>  |                                       |                            |
| <b>PROGRAMMER ANALYST</b>  | <b>COGNIZANT TECHNOLOGY SOLUTIONS</b> | <b>JUL 2014 – JUN 2015</b> |
| <ul style="list-style-type: none"><li>Handled the online banking services backend for a large American financial services firm.</li><li>Developed and maintained Java based APIs to handle online transactions.</li></ul>  |                                       |                            |

## EDUCATION

|                              |                               |                          |
|------------------------------|-------------------------------|--------------------------|
| University at Buffalo (SUNY) | M.S in Computer Science       | August 2015 - June 2017  |
| Osmania University           | B.E in Information Technology | October 2010 – June 2014 |

## SKILLS

**LANGUAGES:** PYTHON, JAVA, SQL, CASSANDRA, MONGODB, BASH  
**DATABASES:** SQL, CASSANDRA, ELASTICSEARCH, MONGODB  
**FRAMEWORKS:** JENKINS, DOCKER, JUNIT, PYTEST, REST, ANSIBLE, GIT

## PROJECTS

Standalone Firmware Update and Recovery Environment (SURE), Veritas Technologies LLC, (Python, Docker, Bash)

- URL:** [https://www.veritas.com/content/support/en\\_US/downloads/update.UPD966809](https://www.veritas.com/content/support/en_US/downloads/update.UPD966809)
- Developed REST/FTP, Python based APIs for detecting and updating storage controllers, raid controllers and the BIOS.
- Wrote the Unit testing suite for SURE using the Python unit test libraries.
- Worked on creating and deploying the SURE docker container.

Feature update – Yum Repository Snapshot, Veritas Technologies LLC, (Python, Ansible, Docker, Yum)

- Developed a feature for the SDK that would allow users to create a snapshot of existing Red Hat software repositories, as well as other third-party repositories.
- The snapshot freezes all packages contained within the repository along with their specific versions.
- Each Red Hat Enterprise Linux RPM software package contained in the repository could also be updated/removed or completely purged from the repository

Multi-Lingual Twitter Data Search and Retrieval; Semester 1, University at Buffalo, (Java, Apache, SOLR)

- Created a Search Engine based around multi-lingual twitter data. (About 1 GB of data collected over a month using the Twitter 4J API). Implemented scoring models like VSM, BM25 on the data.
- Incorporated the SOLR framework for indexing and filtering the tweets.
- Worked on search engine optimization, sentiment analysis, content tagging and multilingual querying.

Data Warehousing and OLAP Operations; Semester 3, University at Buffalo, (Java, Python, Hadoop)

- Implemented a Data Warehouse for clinical and genomic data based on the Bio Star Schema that supports regular and statistical OLAP Operations. Wrote several clustering algorithms in Python.
- Performed K-means clustering on a single node Hadoop Map Reduce cluster using Java and implemented several classification algorithms such as, K-NN, Decision Tree, etc.