Lakshmi Sampath Somanath, Pagolu

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GitHub profile | Personal Website

Higher Education

- Texas Tech University, Lubbock 4/4
    - *Master of Science in Computer Science May 2021*
- GITAM University, India – 3.8/4
    - *Bachelor of Technology in Electronics and Communication 2014-2018*

Experience

Texas Tech University *Feb 2020 – present*

Student Assistant, IT Help central

- Helping students, staff, and faculty with their general IT problems over phone o with networking, hardware, and software troubleshooting
- with software installations
- Creating Knowledge base articles for AskIT solutions portal

Liquidhub, A Capgemini Company, Philadelphia based IT solutions firm:

Cloud and DevOps Engineer Aug 2018 to Dec 2019

- Worked on providing Infrastructure solutions in multiple Cloud Vendors such as AWS, Azure and Google Cloud Platform.
- Patching Linux servers, Network administration and, troubleshooting
- Provided application administration support for Dev, QA, Prod and DR environments
- Worked with Dev, QA teams for seamless and automatic deployments of code to QA, Prod and DR environments using DevOps methodologies and tools
- Worked on providing secure, multi-tiered architectures on AWS, Azure using Terraform
- Patching of Windows servers and WordPress websites management and, maintaining DevOps pipelines

Internship Jan 2018 to July 2018

- Maintaining S3 buckets.
- Linux and Windows administration.

Skills

- AWS Certified Solutions Architect Associate
- OS: RedHat, CentOS Ubuntu, Fedora
- Good understanding of package managers such as yum, rpm, dnf, apt
- Scripting: Bash, PowerShell
- Programming languages: Python, C, JavaScript
- Cloud: AWS, Azure, GCP
- Configuration Management: Ansible
- Basic understanding and ability in writing SQL queries

Academic projects

Post-grad – Retrieving process profiling data

- Python program to retrieve stats of an algorithm such as CPU usage, Memory usage, Virtual Memory usage etc.
- Individual project
- Created to compare two similar algorithms
- Used python, batch scripting to collect the data

Post grad – Local search engine

- Created a search engine using python on a movie reviews dataset based on vector space model and cosine similarity
- Performed stemming, tokenization to retrieve tf-idf values and created a vector space model to retrieve documents based on similarity

Co-curricular activities

- Organized multiple college fests, workshops, paper presentation competitions in undergrad as a student Coordinator
- Implemented Fuzzy logic in a 2-day AI and Machine Learning workshop.