

JAHNAVI SAMBARAJU

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PROFESSIONAL SUMMARY

Versatile and results-oriented cloud computing professional with 3 years of experience in virtualization, IT infrastructure management, and cloud optimization. Proven track record of enhancing system performance, implementing robust security measures, and delivering high-availability solutions.

PROFESSIONAL EXPERIENCE

Capgemini Technology Services India Limited.

Hyderabad, India

Sr Analyst/ Software Engineer

2021-2023

- Managed 250+ VMware and Azure virtual servers, ensuring 99.9% uptime and improving system performance by 30%.
- Upgraded Windows Server environments (2012 R2/2016 to 2019), across Production and Non-Production environments, including comprehensive patching and security protocols to safeguard cloud and on-premises infrastructure.
- Performed vMotion and sVMotion for VMs across both production and non-production environments in VMware.
- Utilized VMware PowerCLI, vSphere, vCenter, and vRealize Log Insight for automation and virtualization.
- Implemented and maintained security measures to protect network integrity, ensuring compliance with IT policies and minimizing vulnerabilities.
- Did quarterly disaster recovery (DR) & Site Recovery Manager (SRM) testing, achieving 100% failover success and meeting the SLA requirements.
- Upgraded ESXi hosts and optimized VM performance using RVTools analysis, including vCPU allocation and VM migration strategies.
- Collaborated with cross-functional teams including storage, network and application teams to streamline cloud deployments, reducing delays by 35%.
- Trained junior engineers on VMware best practices, boosting team efficiency by 20%, and developed SOPs, reducing onboarding time by 40%.
- Provided L3 support for cloud and on-prem infrastructure, resolving critical issues within 24 hours, reducing downtime by 20%.

PROJECTS

- **Travelling Bill Tracking System:** Automated employee registration and travel expense tracking to enhance administrative efficiency.
- **Use of ANN to Identify Fake profiles:** Designed a neural network with 85% accuracy to identify malicious requests.
- **Performance Evaluation of classifier Models Using R:** Built an R-based framework to evaluate classifier performance with 98% accuracy, using advanced metrics and statistical analysis.
- **Web Designing:** Created a website displaying books with author, genre and official links, enhancing user experience.

INTERNSHIPS

- **Bharat Dynamics Limited (BDL)** - Application Developer Intern 2019
Developed a web-based system to streamline access to government scheme information and reduce manual effort. Enabled seamless profile management for users and faculty.
- **Electronics Corporation of India Limited (ECIL)** - Application Developer Intern 2019
Created a travel bill tracking application with expense entry, receipt capture, and offline functionality, ensuring high reliability through comprehensive testing and validation.

EDUCATION

UNIVERSITY OF ILLINOIS, SPRINGFIELD

Master of Science in Computer Science

Springfield, IL

2023-2024

SPHOORTHY ENGINEERING COLLEGE, HYDERABAD, INDIA

Bachelor of Technology in Computer Science

Hyderabad, TG

2017-2021

SKILLS

Scripting Programming: C, Python, R, HTML, CSS, Java script.

Cloud Platforms and Infrastructures: Azure (AD, VM's, LoadBalancer, VNet), Aws(EC2, S3,Lambda),VMware(vSphere, ESXi, vCenter)

Database and Data Storage: My SQL.

Operating Systems: Linux, Windows.

IDEs: R Studio, Visual Studio code.

Machine Learning: Decision Tree, Random Forest, Confusion Matrix, Kappa Statistic, ANN, TensorFlow, Keras.

Networking & Security: vSAN, Switching (Basic Knowledge), Cloud Security, Active Directory

CERTIFICATIONS

Microsoft Certified: Azure Administrator Associate