Lavanya Sharma

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Personal Profile

Dynamic DevOps and Cloud Engineer with a pleasing, youthful personality and a zest for learning and innovation. Possess a strong understanding of technology, blending academic knowledge with practical applications. Adaptable to challenging situations and skilled at working both collaboratively and independently. Thrive under pressure, consistently meeting strict deadlines with a solution-driven mindset.

Education

Swami Keshwanand Institute Of Technology, Management and Gramothan   **2020 – 2024**

- Bachelor of Technology **Hons.**,Computer Science
- **CGPA:** 9.3/10
- **Coursework:** OOPS, DSA, DBMS, OS, Python, Software Engineering, System Design

MOTHERLAND PUBLIC SENIOR SECONDARY SCHOOL   **2019 – 2020**

- Senior School Certification Examination

MOTHERLAND PUBLIC SENIOR SECONDARY SCHOOL   **2017 – 2018**

- Secondary School Certification Examination

Technologies

Languages: Python, C++, C, HCL(Terraform), SQL

Tools and Frameworks: CI/CD pipeline, Terraform, Git, GitHub, Github-actions, Docker, Kubernetes, Helm, Jenkins, Ansible, Chef, Nagios

Cloud Platform: Amazon Web Services (AWS)

Database: MySQL

Experience

CloudDrove, DevOps Intern   Toronto, Ontario, Canada
                July 2024 – Present

- Managed and maintained Terraform modules using Terraform Enterprise, ensuring centralized control and collaboration in infrastructure provisioning, while also creating modules for Clouddrove from scratch.
- Led successful Terraform version upgrades, enhancing infrastructure provisioning efficiency and ensuring alignment with industry best practices.
- Designed and implemented end-to-end CI/CD pipelines for seamless integration and continuous delivery of applications.
- Designed and implemented end-to-end CI/CD pipelines utilizing Docker, Helm, and Terraform to provision and manage Kubernetes clusters on AWS, enabling streamlined application deployment across development, testing, and production environments
- Developed and maintained Python and Shell scripts to automate infrastructure tasks, system monitoring, and deployment processes.
- Developed and maintained Python and Shell scripts with scheduled cron jobs to automate system operations, monitoring, and maintenance tasks across production environments

- Leveraged AWS Control Tower to design and implement centralized cloud governance framework, enforcing security policies and compliance controls across multiple AWS accounts
- Managed MySQL database operations including backup automation, and monitoring, ensuring data integrity and seamless application performance.

RajComp Info Services Ltd. (DOITJaipur), Cloud Intern   Jaipur, Rajasthan July 2023 – Sept 2023
- Configured, deployed highly available and scalable applications on AWS using EC2,RDS,S3,Elastic load balancer,Auto-scaling.
- Created a service to provide gradient across VS and VS add-ins, optimizing its performance via caching
- Managed system administration tasks of maintaining users, filesystems, networking, package management on local machines and AWS
- Managed GitHub repositories and permissions
- Provisioned and configured virtual machines using VmWare and VirtualBox.
- Manage Mysql database activities.

Certificates

Computer Networks and Internet Protocols - Issued by NPTEL, IIT Kharagpur

Cryptography and Network Security - Issued by NPTEL, IIT Kharagpur

Cloud Computing - Issued by NPTEL, IIT Kharagpur

Operations Management - Issued by NPTEL, IIT Roorkee

Developing Soft Skills - Issued by NPTEL, IIT Kanpur