

# Hitanshu Gupta

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## SKILLS

### Language/Scripting

- Python
- Bash Scripting
- C++

### Cloud

- AWS (EC2, IAM, S3, RDS, Lambda, VPC, Route 53, ECS, EKS, Beanstalk, API Gateway)
- Azure (VM & Blob)

### Containers & IaC

- Docker
- Kubernetes
- Terraform
- HashiCorp Vault
- Ansible
- Helm

### CI/CD

- GitHub Action
- Jenkins
- GitLab

### Monitoring & Logging

- Solarwinds
- Prometheus
- Grafana

### Operating System

- Linux
- Windows

### Networking/Protocols

- IP Addressing
- Subnetting/CIDR
- Firewall configuration
- TCP/IP
- DNS
- HTTP/HTTPS
- ICMP/SNMP/WMI

### Tools

- VSCode
- Postman
- JIRA

### Soft Skills

- RCA
- Client Communication
- SLA Management
- Documentation

## ACHIEVEMENTS

- Certified Hashicorp Terraform Associate
- AWS Certified Developer – Associate
- Linux Basics Course & Labs
- DevOps Bootcamp by CodingSpoon
- DevOps internship by CT

## LINKS

LinkedIn:// hitanshu

GitHub:// hitanshu

Credly:// hitanshu

Hashnode:// hitanshu

Leetcode:// hitanshu

## EDUCATION

### Lovely Professional University

B.TECH in Computer Science and Engineering

2020-2024 | Punjab, India

CGPA: 7.9/10

### S.K.L.G.D. Public School

Class 12(CBSE)

2019-2020 | Agra, India

Percentage: 67 %

## EXPERIENCE

### UNISYS GLOBAL SERVICES | ASSOCIATE SOFTWARE ENGINEER

August 2024 - Present | Bengaluru

- Containerized critical application components using **Docker**, standardizing deployment across test and production, and cutting environment setup by **40%**.
- Automated Kubernetes deployment via **helm charts** for Monitoring DI system, to enabling single-touch deployment and reducing manual steps by **30%**.
- Authored **Python automation scripts** to enforce Monitoring as Code, securely retrieving **Site24x7 API** credentials from **HashiCorp Vault** to standardize configurations and reduce manual setup efforts by **85%**.
- Architected a serverless monitoring solution on AWS using **Lambda, S3, CloudWatch, and SNS** to enhance the (MTM) observability of polling servers. The entire infrastructure was provisioned via **Terraform**, slashing manual effort by **90%**.
- Managed 24/7 **Solarwinds** monitoring for three major clients, leading high-severity incident resolution and developing **custom solutions** for new requirements.

### UNISYS GLOBAL SERVICES | ASSOCIATE SOFTWARE INTERN

October 2023 - August 2024 | Bengaluru

- Systematically troubleshooted and enhanced the Terraform-based(IaC) pipeline, implementing **modular design** patterns which led to a **60%** reduction in deployment failures and significantly improved provisioning reliability.
- Engineered an event-driven AWS account isolation workflow using a **Suspension OU**, which leveraged **CloudTrail and EventBridge** to trigger **Lambda/Step Functions** that automatically blocked all ingress/egress traffic for **EC2, API Gateway, and Route53**, while an attached **SCP** restricted all resource creation and modification, ensuring a **100%** lockdown.
- Slashed software release cycle time by **35%** for **UAT and Production** by architecting and optimizing scalable **Jenkins CI/CD pipelines**, which enforced deployment consistency and eliminated **configuration drift** across multiple globally distributed environments.

## PROJECTS

### AUTOMATED STRAPI CMS DEPLOYMENT ON AWS | GITHUB

AWS, Git, Terraform, Shell script

- Provisioned a secure AWS infrastructure (**VPC, ALB, RDS, S3**) from code using reusable Terraform modules.
- Deployed a **Strapi CMS** on a **private EC2** instance, using a **Bastion host** for secure, controlled access.
- Automated the entire server configuration with a user-data shell script to install dependencies, configure **Nginx**, and run the app with **PM2**.

### AUTOMATED AWS WEB SERVER DEPLOYMENT | BLOG LINK

EC2, Nginx, YAML

- Implemented a multi-node lab environment on **AWS EC2**, configuring an Ansible master server and managed hosts for automation.
- Developed idempotent Ansible **playbooks** to fully automate **Nginx** web server installation, configuration, and web page deployment.
- Created a repeatable automation framework that cut manual server setup time by over **95%** and ensured consistent, error-free deployments.