

NIPUR JAIN

Aspiring DevOps Engineer |
Cloud & Infrastructure Automation



CONTACT

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SKILLS

- Linux
- AWS (EC2, IAM, S3, RDS, VPC, Route 53, ELB & ASG)
- Docker
- Kubernetes
- CI/CD
- Jenkins
- Shell Scripting
- Python
- Terraform
- SOL Database
- Java
- HTML & CSS
- JavaScript

CERTIFICATES

- Completion of a 40-hour Skill Enhancement Course on Cloud Infrastructure using AWS
- AWS Educate Introduction to Generative AI
- AWS Academy Graduate – AWS Academy Cloud Foundation
- Completion of Python Training (IIT Bombay)
- Summer Code Camp Internship at Certify Sphere.
- Completion of GIT Training (IIT Bombay)

ABOUT ME

Aspiring DevOps Engineer with hands-on experience in Docker, Kubernetes, CI/CD, AWS Cloud, Python, and SQL. Skilled in cloud infrastructure management, automation, and containerization. Experienced in deploying highly available applications on AWS EC2, managing scalable infrastructure, and implementing monitoring solutions. Passionate about optimizing development workflows and contributing to innovative projects in the DevOps domain.

EDUCATION

- Bachelor of Technology – Computer Science Engineering
Teerthanker Mahaveer University Moradabad 2021 – 2025
- Senior Secondary (12th)
Global Agra Convent School, Bada Gaon, Agra 2020 – 2021
- Secondary (10th)
Shri Rajendra Singh College, Dhimishri, Agra 2018 – 2019

PROJECTS

CLOUD-NATIVE DOCTOR APPOINTMENT SYSTEM USING AWS, KUBERNETES, AND GITOPS

- Designed and deployed a scalable doctor appointment booking application on AWS using EKS and GitOps. Containerized the React frontend and Node.js backend, automated infrastructure provisioning with Terraform, and implemented CI/CD pipelines in Jenkins to push Docker images to ECR. Used ArgoCD for Kubernetes deployment and exposed the application using an Ingress Load Balancer.

HIGHLY AVAILABLE PETCLINIC JAVA WEB APPLICATION ON AWS EC2

- Architected a multi-tier web application using custom AMIs on AWS EC2, configured Auto Scaling and ALB for high availability and fault tolerance.
- Technologies: AWS EC2, Auto Scaling, Load Balancer, Amazon Linux, NGINX
- Outcome: Achieved scalable and reliable hosting, reducing costs by 15% and improving system performance during peak loads.

SCALABLE AND SECURE WORDPRESS HOSTING ON AWS

- Deployed a secure and scalable WordPress-based content management system (CMS) for a media/bloggging platform on AWS. Hosted the application on EC2 using a LAMP stack within a private VPC, with RDS for database management. Leveraged Auto Scaling and Application Load Balancer (ALB) to handle traffic spikes and ensure high availability.
- Technologies: AWS EC2, Auto Scaling, VPC, NAT Gateway, ALB, LAMP, RDS, WordPress
- Outcome: Achieved 99.9% uptime during simulated peak loads, significantly improving performance, availability, and user experience for a dynamic content-heavy platform.

EXTRACURRICULAR ACTIVITIES

- **NSS Volunteer** – Engaged in community service and social welfare initiatives
- **Campus Ambassador** – Represented and promoted tech and career programs for various organizations:
- **Coding Ninjas** – Organized coding workshops and facilitated learning resources.
- **Zuno by Foundit** – Assisted in career guidance and internship awareness.
- **SmartED** – Promoted tech-based student engagement initiatives.
- **Attended a National Webinar on "Career Opportunities in Networking (AMI - CISCO CONNECT)"**
- **Attended an Entrepreneurship Development Program (EDP) for Micro Entrepreneurs**
- **Participated in a webinar on Business Analytics**

INTERESTS

- Badminton
- Vlogging
- Video Editing
- Photography
- Graphic Design
- Traveling

LANGUAGE KNOWN

- Hindi
- English

CLOUD STORAGE & MEDIA SHARING SOLUTION FOR A PHOTO STUDIO

- Developed a Python-based solution for managing large media files using S3 multipart uploads, with a dashboard for secure sharing via pre-signed URLs.
- Technologies: AWS EC2, S3 Multipart Upload, IAM Roles, Python
- Outcome: Reduced storage costs, improved upload performance by 30%, and streamlined client sharing processes by 50%.

COST-EFFECTIVE COMPLIANCE MONITORING FOR AWS SECURITY GROUPS AND S3 BUCKETS

- Developed a serverless compliance monitoring solution to check for misconfigurations in security groups and public S3 buckets, using AWS Lambda for periodic scans.
- Technologies: AWS Lambda, CloudWatch, SNS, EC2, S3, IAM Roles, Python, Boto3.
- Outcome: Reduced monitoring costs by 25% and automated compliance checks, decreasing manual effort by 50%.

INFRASTRUCTURE AS CODE FOR AUTOMATED AWS RESOURCE PROVISIONING

- Architected a containerized deployment of the GitHub App JavaScript Sample, leveraging Docker for environment consistency and streamlined application management.
- Technologies: Docker, Node.js, GitHub
- Outcome: Achieved seamless deployment and portability, ensuring consistent application performance across different environments while simplifying dependency management.

ADDITIONAL PROJECTS :

CMS PROJECT (CUSTOMER MANAGEMENT SYSTEM)

Built a Python-based customer management system with a MySQL database for efficient data handling.

- Technologies: Python, Tkinter, PyMySQL, MySQL
- CRUD operations for adding, updating, and deleting customer records.
- Developed a Tkinter-based GUI for intuitive navigation
- Secure and optimized MySQL database integration
- Outcome: Improved customer data management with a user-friendly interface and efficient database queries.

PERSONAL PROFILE WEBSITE

Developed a responsive portfolio website to showcase skills and projects, with Google Sheets for data storage.

- Technologies: HTML, CSS, JavaScript, Google Sheets API
- Interactive and mobile-friendly design
- Integrated Google Sheets to store form submissions
- Implemented SEO best practices for improved search visibility
- Outcome: Created a clean, dynamic, and easily updatable portfolio with centralized data storage.

TRAINING

- **INTERNSHIP TRAINEE**

CETPA Infotech Pvt. Ltd. | July 3, 2023 – August 2023

Skills: Python (Programming Language)

- **INTERNSHIP TRAINEE**

Teerthanker Mahaveer University | July 22, 2024 – August 1, 2024

Skills: Cloud Infrastructure using AWS