Adarsh Kumar Mishra

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Technical Skills

- Cloud Platforms: AWS
- DevOps Tools: Docker, Kubernetes, Git, CI/CD, Jenkins, Terraform, Ansible
- Programming: Java, Python, C, C++
- Operating Systems: Windows, Linux
- Soft Skills: Proactive, Communicative, Disciplined, Dynamic, Insightful, Strategic, Time-Efficient, Competitive

Work Experience

Intern – DevOps Engineer | Shiwansh Solutions
Mar 2025 – Aug 2025

- Worked on multiple SaaS-based DevOps pipelines for platforms like ems.shiwansh.com and shiwansh.com
- Developed and maintained CI/CD pipelines using Jenkins, GitHub webhooks, and shell scripts for automated deployments.
- Integrated deployment flows with Dockerized applications, supporting backend services and static frontends.
- Managed infrastructure and deployment configurations using Ansible and Terraform across cloud environments.
- Collaborated with developers to improve pipeline efficiency, rollback strategies, and error handling.
- Gained hands-on experience in managing production-ready systems with zero-downtime deployments and real-time monitoring.

Personal Projects

Project 1: Book Store OTEL App with Observability using Docker Compose

- Built a Node.js-based Book Store application with PostgreSQL as the relational database backend.
- Utilized Docker Compose to orchestrate services including the app, database, and observability stack.
- Implemented OpenTelemetry SDKs to instrument the application for tracing and metrics collection.
- Set up Prometheus, Loki, Tempo for scraping metrics, logs and traces and Grafana for real-time dashboard visualization.
- Enabled complete monitoring of API performance, query traces, and error tracking across containers.
- Designed APIs for book listing, ordering, and inventory management with structured logging and trace context propagation.

Project 2: AWS Infrastructure Automation using Terraform with Custom VPC and EC2-based Load Balancer

- Provisioned a complete AWS infrastructure using Terraform, including a custom VPC, subnets, route tables, and an internet gateway for network access.
- Launched EC2 instances, including one configured as a basic load balancer to forward traffic to backend EC2 servers.
- Created and attached security groups with specific inbound rules for web traffic and SSH access.
- Used modular Terraform scripts and state management to ensure repeatable, scalable infrastructure deployments with minimal manual intervention.

Project 3: System Monitoring using Node Exporter, Prometheus, and Grafana

- Deployed Node Exporter on a Linux-based remote server to collect system-level metrics such as CPU, memory, disk, and network usage.
- Configured Prometheus to scrape metrics from Node Exporter at regular intervals using static job configuration.
- Set up Grafana and integrated it with Prometheus as a data source for real-time visualization and analysis.
- Designed and customized Grafana dashboards to monitor system health and performance metrics effectively.

Education

Chandigarh University — Gharuan,Mohali,Punjab
Bachelor of Engineering in CSE Hons. (Cloud Computing) — Aug 2022-Jun 2025
CGPA - 6.72

Tathagat Gautam Buddha Government Polytechnic — Shravasti,UP
Percentage – 72.3 — Aug 2019-Jun 2022