

SHIVANSH MISHRA

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SUMMARY

Cloud & DevOps Engineer (Fresher) with hands-on experience in AWS, Docker, and CI/CD pipelines. Skilled in deploying containerized applications using ECS (Fargate), ECR, ALB, Route 53, and CloudWatch. Comfortable with Linux environments, Git-based workflows, and production-grade cloud architectures.

TECHNICAL SKILLS

Cloud Platforms	AWS (IAM, EC2, ECS, ECR, VPC, ALB, Route 53, SSM)
Containers	Docker, Amazon ECS
CI/CD	GitLab, Jenkins
Infra Networking	VPC, Security Groups, Application Load Balancer (ALB)
Version Control	Git, GitHub
Logging	Amazon CloudWatch
Programming	JavaScript, Shell
Frontend	HTML, CSS, JavaScript, React.js
Databases	MongoDB, MySQL
Operating Systems & Tools	Linux (Ubuntu), JIRA, OWASP ZAP

EXPERIENCE

DevOps Engineer Intern Ongoing (6 Months)

- Working on AWS services including VPC, ECS, ALB, and ECR.
- Contributing to containerized microservices deployments for scalable and highly available applications.
- Assisting in load balancing, monitoring, and high-availability configurations supporting faster uptime.
- Gaining real-world experience with AWS DevOps workflows, cloud networking, and production infrastructure operations.

Frontend Developer Intern — Physics Wallah, Noida Jun 2024 – Sep 2024

- Built dynamic React applications for internship projects, improving UI responsiveness.
- Implemented scalable state management using Redux Toolkit and reusable UI components.
- Collaborated with team members following clean code practices and frontend best standards.

PROJECTS

Serverless Node.js Deployment on AWS ECS Fargate

Implemented a container-based deployment workflow for a Node.js application using Docker, Amazon ECR, and AWS ECS (Fargate). Image builds were performed on EC2 from GitHub source code. Configured IAM roles and CloudWatch logging for secure deployments and centralized monitoring.

Tech Stack: Node.js, Docker, GitHub, EC2, ECR, ECS (Fargate), IAM, CloudWatch

Production-Grade AWS VPC and ALB Architecture

Designed a highly available AWS architecture using a custom VPC with public and private subnets across two Availability Zones. Deployed an Application Load Balancer to distribute traffic across EC2 instances in private subnets, achieving availability with secure traffic flow using strict security groups.

Tech Stack: AWS VPC, EC2, ALB, Security Groups, Public & Private Subnets, Multi-AZ

EDUCATION

2022 – 2026 B.Tech in Computer Science Engineering (IBM) — **TMU, Moradabad**

7.7/10

CERTIFICATIONS

- AWS Certified Solutions Architect – Associate (In Progress)
- Google Cloud Computing – NPTEL
- IBM Cloud Fundamentals
- IBM Artificial Intelligence Analyst
- IBM Agile Methodologies
- IBM Introduction to Big Data, Hadoop and Ecosystem
- IBM Big Data Engineer

ACHIEVEMENTS

- Smart India Hackathon — Grand Finalist (2024)
- Yukti Innovation Challenge — Finalist (2023)
- 1st Rank in University TechFest for Smart Document Management System PoC — 2022
- Public Speaking – Cleared 2 competitive rounds