

Khushal Bhavsar

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EDUCATION

KDK College of Engineering

B.Tech Electronic And Telecommunication Engineering - **CGPA - 8.00**

2021 – 2025

Nagpur, Maharashtra

EXPERIENCE

Cloudnautic

Role - DevOps Intern

July 2025 - Present

Pune, Maharashtra (On-site)

- Contributed to real-world **Cloud and DevOps projects** on **AWS**.
- Built and automated **CI/CD pipelines** using **Jenkins** and **GitHub Actions**.
- Implemented **Infrastructure as Code (IaC)** with **Terraform** and **CloudFormation**.
- Containerized applications using **Docker** and orchestrated deployments on **Kubernetes (EKS)**.
- Gained hands-on experience in **monitoring, automation, and cloud-native architecture deployment**.

TECHNICAL SKILLS

Programming & Scripting: Python, Bash

Version Control: Git, GitHub

CI/CD Tools: Jenkins, GitHub Actions

Containers: Docker (build, run, push images)

Container Orchestration: Kubernetes

Cloud Platforms: AWS (EC2, S3, IAM, RDS, EKS)

Infrastructure as Code (IaC): Terraform (provision EC2, VPC)

Monitoring & Observability: AWS CloudWatch, Prometheus, Grafana

Operating Systems: Linux (Ubuntu, Amazon Linux)

PROJECTS

Node.js App Deployment on AWS EKS | Node.js, Docker, Kubernetes, AWS EKS, ECR

- Deployed a containerized Node.js app on AWS EKS using ECR as registry.
- Automated image builds, scans, and encrypted storage for secure deployments.
- Configured IAM roles, RBAC, and LoadBalancer for secure cluster access.
- Enabled autoscaling and monitoring with CloudWatch and kubectl verification.

TodoApp – Node.js DevOps Pipeline | Node.js, Docker, Jenkins, Terraform, AWS EC2, CI/CD

- Built a Node.js app and containerized it using Docker for portability.
- Automated CI/CD pipeline with Jenkins to deploy on AWS EC2.
- Provisioned infrastructure using Terraform and configured IAM policies.
- Integrated GitHub, Docker, and AWS CLI for continuous delivery.

Flask + AWS Elastic Beanstalk with Private RDS | Flask, MySQL, AWS EB, RDS, VPC

- Deployed Flask app on AWS Elastic Beanstalk linked with private RDS.
- Designed secure VPC, subnets, and route tables for private connectivity.
- Used ALB for load balancing and PyMySQL for DB transactions.
- Enabled restricted RDS access via bastion host and IAM roles.

Student Management System – AWS Serverless | AWS Lambda, API Gateway, S3, DynamoDB

- Built a serverless student app using S3, Lambda, API Gateway, and DynamoDB.
- Implemented CRUD APIs with CORS configuration for frontend integration.
- Secured access with IAM roles and least-privilege permissions.
- Delivered scalable, cost-efficient, and fully managed architecture.

QuickLoan – Scalable Web App on AWS | PHP, MySQL, Nginx, AWS EC2, RDS, ALB, Auto Scaling

- Developed a PHP loan platform on AWS EC2 with MySQL RDS backend.
- Implemented ALB and Auto Scaling for high availability and fault tolerance.
- Monitored performance using CloudWatch and optimized Nginx + PHP-FPM.
- Secured environment with strict Security Groups and VPC isolation.

CERTIFICATIONS

- AWS Course Completion Certificate - Ethan's Tech
- 160 Days of Problem Solving with Summer Workshops - GeeksforGeeks