MIHIR SHAKYARATAN KADAM

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ABOUT ME

Results-driven DevOps specialist with over a year of hands-on experience and a solid background in software development, particularly in Django and Data Science. Currently pursuing a Master's in Computer Science at New Jersey Institute of Technology. Skilled in scripting, automation, infrastructure management, and cloud technologies, with expertise in CI/CD pipelines. Proven in integrating development and operations to optimize workflows and enhance project efficiency. Seeking to leverage strong communication skills and a passion for continuous learning in a dynamic DevOps environment.

STRENGTHS AND EXPERTISE

Cloud Computing (AWS, Google Cloud, Azure)

Python Programming and Scripting (Shell Scripting, Bash)

Continuous Integration & Continuous Delivery (GitHub Actions, Gitlab CI)

Django and REST API development (Python, SQL)

Infrastructure as a Code and Automation (CloudFormation, Terraform)

Container Orchestrations (e.g. Kubernetes, Docker, EKS, GKE)

PROFESSIONAL EXPERIENCE

Associate Cloud Engineer
Jan 2023 - Jan 2024

Pentagon System and Services
Mumbai, India

- Demonstrated proficiency by acquiring The Amazon Web Services Certified **DevOps** Engineer - **Professional**
- Achieved the prestigious **AWS DevOps competency**, recognizing advanced technical skills and proven success in delivering DevOps practices on AWS
- Earned **AWS CloudFront Service Delivery** Recognition, signifying proficiency in optimizing content delivery and enhancing web application performance within the AWS ecosystem
- Facilitated with the Best New Comer MSP Team Award for exceptional performance in projects that showcased **team collaboration and innovation**

Projects:

- Spearheaded the deployment of microservices on Amazon **ECS**, orchestrating a CI/CD pipeline with AWS **CodeCommit**, **CodeBuild**, and **ECR**, reducing deployment time to 3-5 minutes per microservice
- Deployed scalable Kubernetes infrastructure with 10+ microservices and 9 micro-frontend architecture in **GKE Goole Cloud**, developing dedicated **Helm** charts and integrating the cluster with **GitHub Actions** for **CI/CD**.
- Engineered an **AWS EKS** solution with **Jenkins** Pipeline and Amazon **Elastic File System** integration for up to 10 different pods
- Guided migration of Docker Compose deployment from **Azure** to AWS with partial CI/CD implementation using **GitTea** and **Docker**, managing 3 containers in the process
- Designed a comprehensive **CI/CD** solution for 6 applications on AWS, deploying backends to EC2 and frontends to S3
- Streamlined deployment processes by creating a **CloudFormation** Template for Infrastructure as Code, enabling swift deployment of **EC2** servers for MongoDB, RabbitMQ, Hangfire, and **Jenkins**, and **AWS EKS** significantly reducing deployment time to 40 minutes.
- Formed multiple **Terraform** and **Python scripts** to deploy resources in GCP for an Internal Hackathon for over 100 Teams
- Administered development of **Python scripts** to automate zipping large backup files and uploading them to S3, generating **custom metrics** for the process. Deployed the script on 10+ on-prem servers with customizations and visualized metrics in **Amazon QuickSight**
- Devised a **Python script** to transfer incremental backups from Singapore **Azure** Storage to Mumbai, executing daily, weekly, and monthly migrations

Internships

Web Developer, Trivia Softwares
Jan 2023 - Mar 2023

- Developed a polling app for users to host polls and visualize results with **Matplotlib**, utilizing **Django templates** for the front end and implementing user authentication
- Created a news display website aggregating news from multiple countries and a College Management system, leveraging **Django ORM** and **REST framework** for secure data management

Data Scientist, The Sparks Foundation
Jan 2021 - Jan 2021

- Executed a project predicting student marks using Machine Learning and **Linear Regression**, achieving over **90% accuracy** in peer reviews and demonstrating proficiency with large datasets, **NoSQL** databases, and **TensorFlow**

EDUCATION

Masters in Computer Science
Jan 2018 - Jan 2022

New Jersey Institute of Technology

- Expected to Graduate in 2026

Bachelor of Engineering in Computer Engineering
Jan 2018 - Jan 2022

Terna Engineering College

- CGPA of 7.95

CERTIFICATES

AWS DevOps Engineer - Professional

Django Web Framework and REST API

Python with Data Science