VIBUDHAN DUBEY

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PROFILE

Motivated MCA final-year student with a strong foundation in DevOps practices, cloud computing, and software development. Proficient in CI/CD pipelines, containerization, infrastructure as code, and AWS, with hands-on experience using Docker, Kubernetes, Terraform, Python, and SQL. Quick learner and effective team player eager to contribute to scalable, reliable systems in real-world DevOps environments.

SKILLS

CI/CD: Jenkins, GitHub Actions
Cloud Platforms: AWS
Infrastructure as Code: Terraform, AWS CloudFormation, Ansible
Containers & Orchestration: Docker, Kubernetes
Programming & Scripting: Python, Java, SQL, Bash, Shell
Operating Systems: Linux, Unix
Networking: DNS, HTTP, TCP/IP, Load Balancing
Security: IAM, SSL, TLS, AWS KMS
Monitoring & Logging: Prometheus, Grafana

CERTIFICATES

Cloud Computing, NPTEL (2025)
Applied Accelerated Artificial Intelligence – NPTEL (2025)
Docker Essentials – Coursera (2024)
Jenkins – Coursera (2024)
Docker Prerequisite – Coursera (2025)

LANGUAGES

- English
- Hindi
- Marathi

EDUCATION

- **Master of Computer Applications** 2024 - 2026
  MUMBAI UNIVERSITY
  CGPA: 8.69
- **Bachelor of Computer Applications** 2021 - 2024
  Tilak Maharashtra Vidyapeeth UNIVERSITY
  CGPA: 7.00

PROJECTS

CI/CD Pipeline Automation (Docker & Kubernetes)

Technologies: Docker, Kubernetes, GitHub Actions, GHCR

- Automated CI/CD pipeline with GitHub Actions to build and push Docker images to GHCR.
- Deployed applications to Kubernetes using declarative manifests with replicas and health probes.
- Secured deployments using ImagePullSecrets and resource limits for high availability.

CI/CD Deployment on AWS EC2

Technologies: AWS EC2, Docker, GitHub Actions, Nginx

- Implemented GitHub Actions pipeline for automated deployment on AWS EC2.
- Deployed containerized application using Docker and Nginx.
- Reduced manual deployment effort through automated build and release workflows.

AWS Monitoring & Observability

Technologies: AWS EC2, Docker Compose,Prometheus, Grafana

- Deployed Prometheus and Grafana monitoring stack on AWS EC2 using Docker Compose.
- Configured system metrics collection for CPU, memory, disk, and network.
- Built Grafana dashboards for real-time infrastructure monitoring.

Focus Flow AI – Wellness Assistant

Technologies: Python, FASTAPI, AI

- ·Developed an AI-powered wellness assistant to enhance focus, manage tasks, and improve overall productivity.
- ·Utilized Python and fastAPI for robust and asynchronous backend processing of AI models.