VIBUDHAN DUBEY

CONTACT

- 📞 (+91) 9372790324
- ✉ vibudhandubey77@gmail.com
- 📍 Mumbai, Maharashtra, India
- 🌐 https://vibudhandubey.site

EDUCATION

2024 - 2026
MUMBAI UNIVERSITY
Master of Computer Applications
CGPA: 8.20

2021 - 2024
TMV UNIVERSITY (PUNE)
Bachelor of Computer Applications
CGPA: 7.00

SKILLS

DevOps & Cloud
CI/CD: Jenkins, GitHub Actions
IaC: Terraform, AWS
CloudFormation, Ansible
Containers: Docker
Orchestration:
Kubernetes
Cloud Platforms:
AWS

Programming & Scripting:

Python, Java, C, C++, SQL,
PostgreSQL Bash, Shell

PROFILE SUMMARY

Motivated MCA final-year student with strong skills in software development, system design, and problem-solving. Skilled in DevOps practices (CI/CD, IaC, Containerization, Orchestration) and experienced with Cloud Computing (AWS), Artificial Intelligence, and Web Technologies. Proficient in Python, Java, SQL, PostgreSQL, Docker, Kubernetes, and Terraform. Quick learner with strong teamwork and communication skills, eager to apply academic knowledge to real-world IT projects and deliver innovative, efficient solutions.

PROJECTS

CloudWatch – CI/CD Pipeline Automation | Docker, Kubernetes, GitHub Actions, GHCR Technologies: Docker, K8s, GitHub Actions, Next.js, GHCR

- Automated a full CI/CD pipeline using GitHub Actions to build an optimized, multi-stage Docker image (leveraging Next.js standalone mode) and push it to GHCR.
- Deployed to Minikube via declarative Kubernetes manifests, configuring 3 replicas, Liveness/Readiness Probes, resource limits, and **ImagePullSecrets** for a secure, highly available deployment.s

NetGuard – Firewall & IDS | Python, Flask, Socket.IO, Chart.js, Docker

- Built a real-time network security tool with packet simulation, intrusion detection, and dynamic dashboards.
- Implemented rule-based blocking (IP, ports, protocols), automated alerts, and mitigation, improving detection efficiency by **~30%**.

GhostNet – Mini VPN | Python, AES-256, Sockets, Flask

- Developed a secure VPN with **AES-256 encryption** and IP masking.
- Enabled multi-client support with Flask-based monitoring, ensuring secure communication and data transit.

Web Technologies
HTML5, CSS3, JavaScript, React.js, Next.js, Tailwind CSS

Networking & Security
- Linux/Unix System Administration
- DNS, HTTP, TCP/IP, Load Balancers
- IAM, SSL/TLS, Secrets Management (KMS)

Monitoring & Logging
- Prometheus, Grafana

OPERATING SYSTEM:
- Linux

LANGUAGES:
- English
- Hindi
- Marathi

HOBBIES:
- Chess
- Cricket
- Football
- Kabadi

ShowTimeHub – Seat Booking UI | React, TypeScript, Tailwind

- Built a responsive seat booking platform with reusable UI components using React and TypeScript.
- Optimized performance for both mobile and desktop users, focusing on modern UI/UX design via Tailwind CSS.

Focus Flow AI – Wellness Assistant | 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.

CERTIFICATES:

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

STRENGTHS

- Attentive & Quality-Focused

Consistently ensure accuracy and precision in work, maintaining high standards of quality and reliability under tight deadlines.

- Adaptable to Change

Proven capacity to perform in fast-paced, dynamic environments with the flexibility to quickly learn and adjust to new tools, technologies, and organizational structures.

- Collaborative Team Player

Strong commitment to teamwork by valuing diverse perspectives, fostering open communication, and contributing proactively to achieve shared goals.