

VIBUDHAN DUBEY

CONTACT

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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

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

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.

Somnia – AI Dream Interpreter | Next.js, GPT-4, Whisper, FastAPI, Docker

- Created an AI-powered system for dream interpretation via text/voice input.
- Built a scalable full-stack app with PostgreSQL backend and Dockerized microservices.

AI Detective Mystery – Multiplayer Game | React, WebSockets, OpenAI, PostgreSQL

- Designed a multiplayer mystery game with AI-driven storylines and GPT-powered interactions.
- Integrated WebSocket connections for seamless real-time gameplay.

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 Systems

Linux

LANGUAGES

- English
- Hindi
- Marathi

HOBBIES

- Chess
- Cricket
- Football
- Kabaddi
- OverTheWire Security Wargames

ShowTimeHub – Seat Booking UI | React, TypeScript, Tailwind

- Built a responsive seat booking platform with reusable UI components. Optimized performance for both mobile and desktop users.

Focus Flow AI – Wellness Assistant | Python, fastAPI, AI

- Developed an AI-powered wellness assistant to enhance focus, manage tasks, and improve overall productivity.

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.