# 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.

**Quiz Wizard – Java AWT Project | Java**
- Developed an interactive quiz app with custom GUI layouts and event handling.

## 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.