

VIBUDHAN DUBEY

CONTACT

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EDUCATION

2024 - 2026

MUMBAI UNIVERSITY

Master of Computer Applications

CGPA: 8.20

2021 - 202

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

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.

<div>Web Technologies HTML5, CSS3, JavaScript, React.js, Next.js, Tailwind CSS</div> <div>Networking & Security<ul style="list-style-type: none">Linux/Unix System AdministrationDNS, HTTP, TCP/IP, Load BalancersIAM, SSL/TLS, Secrets Management (KMS)</div> <div>Monitoring & Logging<ul style="list-style-type: none">Prometheus, Grafana</div> <div>OPERATING SYSTEM:<ul style="list-style-type: none">Linux</div> <div>LANGUAGES:<ul style="list-style-type: none">EnglishHindiMarathi</div> <div>HOBBIES:<ul style="list-style-type: none">ChessCricketFootballKabadi</div>	<div>ShowTimeHub – Seat Booking UI React, TypeScript, Tailwind<ul style="list-style-type: none">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, AIDeveloped 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.</div> <div>CERTIFICATES:<ul style="list-style-type: none">Cloud Computing – NPTEL (IIT Kharagpur), 2025Applied Accelerated Artificial Intelligence – NPTEL (NVIDIA), 2025Docker Essentials – Coursera, 2024Jenkins – Coursera, 2024Docker Prerequisite – Coursera, 2025</div> <div>STRENGTHS<ul style="list-style-type: none"><u>Attentive & Quality-Focused</u> Consistently ensure accuracy and precision in work, maintaining high standards of quality and reliability under tight deadlines.<u>Adaptable to Change</u> Proven capacity to perform in fast-paced, dynamic environments with the flexibility to quickly learn and adjust to new tools, technologies, and organizational structures.<u>Collaborative Team Player</u> Strong commitment to teamwork by valuing diverse perspectives, fostering open communication, and contributing proactively to achieve shared goals.</div>
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