

Umar Shaikh

+91 9112349119 | umar.shaikh272003@gmail.com | [Github](#) | [Linkedin](#) | Pune, Maharashtra

EDUCATION

Vishwakarma University

Bachelor of Technology in Computer Engineering: 8.09/10 CGPA
(Cyber Security, Network Security, Web Development)

Pune, India | July 2022 – June 2025

Cusrow Wadia Institute Of Technology

Diploma in Computer Engineering: 82%
(DBMS, PHP, Java)

Pune, India | August 2019 – June 2022

PROFILE SUMMARY

Computer Engineer with 6+ months of experience in IT infrastructure management, applying secure practices in network administration and system reliability. Skilled in Kubernetes, Docker, and Linux, with hands-on exposure to AWS cloud services and automation tools. Currently pursuing AWS & DevOps certification to strengthen expertise in scalable, cloud-native solutions

EXPERIENCE

Panchshil (A2Zonlineservices)

Pune, India | June 2025 – Present

- Supported enterprise IT infrastructure by administering Active Directory, Group Policies, and security systems, while maintaining Compliance and exploring automation and cloud-native practices
- Applied hands on practices on Linux, Docker, Kubernetes, and AWS (EC2, S3, EBS).
- Improved system reliability by 20% and strengthened security compliance, building a strong foundation in Network Administration and Cloud Infrastructure.

PROJECTS

Scalable Moodle Deployment on AWS

Pune, India | January 2026 – Present

- Architected a fault tolerant Moodle environment on AWS using VPC, 2 Availability zones, 2 public subnets, 2 private subnet, Route 53, CloudFront, ALB, Auto Scaling, EFS and Aurora for Database.
- Implemented enterprise-grade security with SSL/TLS, IAM roles and NAT gateways, ensuring compliance and resilience.
- Delivered a cloud-native solution capable of supporting thousands of concurrent users, boosting scalability and minimizing downtime by 90%

Trip Planner Using Web-Scraping

Pune, India | January 2024 – December 2024

- Created a trip-planning web application using modern web technologies and AI, reducing booking time by 80%
- Conceptualized a responsive interface with Next.js 14 and Tailwind CSS, integrating a scalable Prisma and PostgreSQL backend to support up to 10,000 data entries
- Automated real-time data collection using Bright Data and implemented secure payment solutions with Stripe, increasing payment accuracy by 30%
- Integrated artificial intelligence capabilities through the Gemini API, providing personalized travel recommendations for over 500 unique tourist places

CERTIFICATIONS

Certification in AWS and Devops (Ethans Tech)

Pune | December 2025 - Present

- Gaining hands-on experience in Amazon Web Services (AWS) architecture, focusing on highly available and secure cloud infrastructure
- Working with Docker and Kubernetes for containerization and orchestration of applications
- Implementing CI/CD pipelines using Jenkins, Ansible, and YAML for automated deployments
- Learning infrastructure security best practices and system reliability concepts

Introduction to Machine Learning (Duke University)

Remote | July 2024 - August 2024

- Conducted performance evaluation of supervised and unsupervised models, applied ML techniques to real-world use cases.
- Skills: Supervised Learning, Unsupervised Learning, Model Evaluation, ML Algorithms

SKILLS

Technical Skills

- Computer Networking, Cloud Computing, Infrastructure Architect, Database Management Systems (DBMS), Linux, Automation.

Tools

- Docker, Kubernetes, Jenkins, AWS, MySQL, Python, Shell Script, YAML.

Soft Skills

- Analytical and Problem Solving, Communication, Adaptability, Active Listening, Team Collaboration

PUBLICATIONS

Vishwakarma University Poster Presentation

April 2024