

# Vaishnavi Pangare

+91 9607486905   [vaishnavipangare1304@gmail.com](mailto:vaishnavipangare1304@gmail.com)   [LinkedIn](#)   [Medium](#)   [GitHub](#)   Pune

DevOps and Cloud Engineer with proven AWS expertise, containerization skills, and leadership experience architecting scalable infrastructure solutions while actively contributing to tech communities through technical writing and volunteering

## EDUCATION

**AISSMS Institute of Information Technology,Pune**

**Nov 2022 – Jun 2026**

*Bachelors of Technology in Artificial Intelligence and Data Science*

## TECHNICAL SKILLS

- **Cloud & Infrastructure:** AWS (ECS, Fargate, EC2, S3, VPC, IAM, Route 53, DynamoDB, CloudWatch), GCP, Azure
- **DevOps /& MLOps:** Docker, Kubernetes, Helm, Terraform, Ansible, Jenkins, GitHub Actions, Prometheus, Grafana, MLflow
- **Databases & Version Control:** MySQL, PostgreSQL, MongoDB, Git, GitHub
- **Operating Systems and Scripting:** RHEL, Ubuntu, Linux Administration, Python, Shell Scripting, YAML, Groovy, BASH
- **Data Analysis:** Power BI, Tableau, EDA, Data Wrangling, Microsoft Excel, SQL

## EXPERIENCE

**Hosteze – [ Founding Member and DevOps Cloud Engineer ]**

**May 2023 – Nov 2024**

- Architected and deployed AWS cloud infrastructure for student housing platform using S3, DynamoDB, Amplify, CloudWatch, and IAM to support roommate and room search functionality at scale
- Containerized applications using Docker and implemented automated CI/CD pipelines to streamline deployment processes and reduce operational overhead

**Fiverr – [ Freelance DevOps Engineer ]**

**Mar 2025 – Present**

## PROJECTS

**Orange Disease Detection System - MLOps Project**

**Repository**

- Containerized CNN-based orange disease classification application using multi-stage Docker approach and pushed to Docker Hub, enabling consistent deployment across environments for the 4-class classification system (canker, black spot, greening, fresh)
- Implemented automated CI/CD pipeline using GitHub Actions for testing and deployment, ensuring reliable delivery of the Flask-based web application to production infrastructure
- Architected and deployed cloud infrastructure on AWS ECS with Fargate using Terraform for Infrastructure as Code, optimizing for serverless operation, scalability, and cost-efficiency while collaborating with teammates on the end-to-end MLOps solution

**System Sentinel: Automated Health Monitoring**

**Repository**

- Developed a menu-driven shell script for automated system health checks, including disk usage, services, memory, and CPU monitoring with real-time alerting reducing downtime and manual monitoring efforts by 90%.
- Implemented automated reporting, generating detailed health reports for real-time insights and historical analysis.
- Integrated cron jobs to schedule regular health checks, reducing manual effort and ensuring consistent monitoring.
- Delivered a lightweight solution to enhance system reliability, minimize downtime, and optimize resource utilization.

**VPC-to-VPC Peering in AWS for Secure Multi-Environment Architecture**

**Demo**

- Engineered secure VPC peering for direct, private communication between AWS VPCs, bypassing public internet.
- Configured subnets, Internet/NAT Gateways, routing tables, and IAM policies for controlled access and seamless connectivity.
- Optimized multi-environment architecture for scalability, achieving 99.9% private data transmission and enhanced security.

## CERTIFICATIONS

Google Cloud Certified Associate Cloud Engineer

**Nov 2024 – Nov 2027**

GitHub Actions

**Jul 2024 – Jul 2027**

Oracle Certified Foundation Associate

**Sept 2023 – Sept 2025**

## EXTRACURRICULAR ACTIVITIES

**Technical Writer @Medium**

**Sept 2022 – Present**

**Cloud Lead at Google Developers Group, AISSMS IOIT**

**Sept 2024 – Present**

**Volunteer at AWS User Group Pune**

**Feb 2025 – Present**

## LANGUAGES

English — Hindi — Marathi — German