

Vaishnavi Pangare

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ML Engineer and Data Scientist with hands-on experience in MLOps pipelines, statistical analysis, and business intelligence dashboards for data-driven insights.making.

EDUCATION

AISSMS Institute of Information Technology, Pune

Nov 2022 – Jun 2026

Bachelors of Technology in Artificial Intelligence and Data Science

TECHNICAL SKILLS

- **Machine Learning & Data Science::** Python, TensorFlow, Keras, CNN, VGG19, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, Statistical Analysis, Feature Engineering, Model Evaluation, Hyperparameter Tuning
- **MLOps & Model Deployment:** MLflow, Docker, Kubernetes, CI/CD for ML, Model Versioning, Model Monitoring
- **Data Analysis & Visualization:** Power BI, Tableau, SQL, Excel, EDA, Data Wrangling, Data Cleaning, Business Intelligence
- **Cloud :** AWS (ECS, Fargate, EC2, S3, SageMaker, BedRock ,Lambda), GCP (AI Platform, BigQuery), Azure ML
- **DevOps & Automation:** GitHub Actions, Jenkins, Prometheus, Grafana, Ansible, Helm, Monitoring & Alerting,Terraform
- **Databases & Tools:** MySQL, PostgreSQL, MongoDB, DynamoDB, Git, GitHub, Jupyter Notebooks, YAML, Shell Scripting

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 Engineer]

Mar 2025 – Present

PROJECTS

Orange Disease Detection System - MLOps Project

Repository

- Collected and preprocessed 1600+ orange leaf images from agricultural datasets, applying data augmentation and normalization techniques for robust model training
- Built CNN model using VGG19 transfer learning with custom classification layers for 4-class disease detection (canker, black spot, greening, healthy)
- Architected complete MLOps pipeline: containerized Flask application with Docker, implemented MLflow for experiment tracking, automated CI/CD with GitHub Actions, and deployed on AWS ECS using Terraform for scalable inference

Amazon Sales Data Analysis Business Intelligenceg

Repository

- Conducted comprehensive EDA on sales dataset using Python, uncovering key revenue drivers and customer patterns
- Created interactive Power BI dashboard with advanced visualizations enabling stakeholders to explore sales trends dynamically
- Generated actionable business insights on regional performance and customer segmentation for strategic decision-making

AI-Powered Dockerfile Generator using LLaMA 3.2

Repository

- Integrated Meta's LLaMA 3.2 model locally via Ollama to automate multi-stage Dockerfile generation for various programming languages and frameworks
- Engineered Python backend with intelligent prompt engineering and model interaction logic, ensuring optimized containerization strategies for different tech stacks
- Designed interactive Streamlit web application providing seamless user experience for AI-driven DevOps automation, eliminating manual Dockerfile creation overhead

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