Vaishnavi Pangare

+91 9607486905 vaishnavipangare1304@gmail.com LinkedIn Medium GitHub Portfolio Pune

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