

MAYUR JARE

Pune, India

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SUMMARY

AI graduate with hands-on experience in Data Science, Machine Learning, and GenAI. Built impactful projects using LLaMA 2, Streamlit, and MLflow, with strong skills in computer vision, Power BI, and MLOps.

EDUCATION

G. H. Raisoni College of Engineering and Management - Pune University

Bachelor of Technology (B.Tech) - Artificial Intelligence

July 2020 – June 2024

Pune, Maharashtra

TECHNICAL SKILLS

Programming: Python, SQL, Bash

ML/DL: TensorFlow, PyTorch, scikit-learn, YOLOv8, LLaMA 2, MLflow

Computer Vision: OpenCV, LabelImg, Roboflow

Deployment: Streamlit, FastAPI, Docker, Kubernetes, DVC

Data: Pandas, NumPy, Seaborn, Power BI

DevOps & MLOps: Git, GitHub Actions, CI/CD, MLflow, DVC

Cloud: AWS, GCP, Hugging Face Spaces

Hardware Acceleration: CUDA, cuDNN, Jetson

WORK EXPERIENCE

Minda Corporation Pvt. Ltd.

Data Analyst Intern

January 2024 – July 2024

Pune, Maharashtra

- Collaborated with team members to understand business requirements and data needs.
- Utilized Power BI to connect, transform, and visualize data from multiple sources such as databases and spreadsheets.
- Developed interactive and visually compelling dashboards and reports using Power BI Desktop.
- Collaborated with stakeholders to gather feedback and iterate on dashboard designs.

CodSoft

Data Science Intern

June 2023 – July 2023

Pune, Maharashtra

- Assisted with data collection, cleaning, and preprocessing to ensure data quality.
- Conducted exploratory data analysis (EDA) to identify patterns and outliers.
- Contributed to developing and implementing machine learning models for predictive analytics.
- Utilized Python and SQL for data manipulation, analysis, and visualization.

PROJECTS

LLaMA-Pen: AI Blog Generator | LLaMA 2, Streamlit, FastAPI, MLflow, Docker, AWS, GitHub Actions, DVC

- Designed an end-to-end AI blog generation system that converts user prompts into high-quality blog posts using Meta's LLaMA 2 model.
- Built a responsive frontend with Streamlit and served the model as a REST API using FastAPI.
- Integrated MLflow for experiment tracking, Docker for containerization, and deployed the application on AWS EC2.
- Utilized DVC for version control of data and models to streamline collaboration and reproducibility.
- Implemented CI/CD pipelines with GitHub Actions for automated training, testing, and deployment workflows.
- Code: [GitHub](#)

River Plastic Detection Application | Deep Learning, Streamlit, Computer Vision

- Developed a **YOLOv8-based** object detection model to identify plastic waste in river imagery.
- Preprocessed satellite images using **OpenCV**, and annotated datasets with Roboflow.
- Optimized training with **GPU acceleration (CUDA/cuDNN)** and evaluated mAP scores.
- Deployed model via **Streamlit** with visual overlays.
- Code: [GitHub](#)

CareCast: AI Health Prediction | Python, TensorFlow, Keras

- Built a CNN model using **TensorFlow** for binary image classification (benign vs malignant).
- Applied image augmentation and normalization pipelines to improve generalization.
- Achieved 92%+ accuracy and reduced overfitting using dropout layers and L2 regularization.
- Visualized training metrics and model performance using **TensorBoard**.
- Code: [GitHub](#)

ACHIEVEMENTS & CERTIFICATIONS

- **HackerRank Python Certification** [View Certification](#)
- **MLOps, DataOps, and DevOps Certificates from Coursera (Duke University)** [View Certification](#)
- **Computer Vision Certificate from OpenCV University** [View Certification](#)