

Shriharee Panchal

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EDUCATION

Maharashtra Institute of Technology Chh. Sambhajinagar
Degree (B. TECH in Artificial Intelligence and Data Science), • CGPA: 8.88

Excepted: May 2026
Chh.Sambhajinagar, Maharashtra

Puranmal Lahoti Government Poytechnic Latur
Diploma (Mechanical Engineering), - Percentage: 85.78

Dec.2020-June.2023
Latur, Maharashtra

WORK EXPERIENCE

Ropeli AI

Oct. 2025-Present

AI/ML Intern

Remote

- Assisted in **developing** and **implementing** machine learning models using **Python**, contributing to **AI-driven research** and **prototype development** for real-world applications.
- Performed **data analysis**, **model evaluation**, and **visualization** to support decision-making and **enhance the performance** of AI systems built with **TensorFlow** and **PyTorch**.

CVFrameIQ Edutech LLP

Sep. 2025-Present

Computer Vision Intern

Remote

- Developed and optimized **Computer Vision & Deep Learning** models with **algorithm selection**, **preprocessing**, **augmentation**, and **hyperparameter tuning**.
- Trained and fine-tuned models using **supervised/unsupervised learning & transfer learning**, benchmarking with **precision**, **recall**, **F1-score**, and **mAP**.
- Deployed models into **proctoring systems**, managing image/video annotation pipelines, debugging predictions, and ensuring scalable, production-ready workflows

OutriX

Aug. 2025 – Oct.2025

Machine Learning Intern

Remote

- Designed and deployed **REST APIs** for ML/DL models using **Flask & Streamlit**, ensuring seamless AI service integration with **100%** uptime.
- Built **scalable data preprocessing pipelines** and applied feature engineering with hyperparameter tuning, improving model robustness by **15%** and cutting runtime by **25%**.
- Implemented **version control (Git) & CI/CD pipelines**, enabling reliable, production-ready ML real-world workflows.

PROJECTS

[ML-Forge AutoML Platform](#)

- Built a **no-code ML platform** with **Python & Streamlit**, automating **EDA**, **preprocessing**, **model training**, and **evaluation**.
- Integrated a **LLaMA-based AI assistant** and designed **modular backend**, **scalable pipelines**, **cutting setup time** by **40%** and **supporting multiple ML algorithms**.
 - **Python, Streamlit, LLM's, LLaMA, Scikit-learn, SQLite**

[Helmate and Number Plate Detection](#)

- Built a **YOLOv8** based traffic violation detection system **achieving 93% helmet** and **92% OCR accuracy** using **PaddleOCR**.
- Integrated a **Streamlit dashboard** and **SQLite database** to **log 1,000+ violations** with **timestamps** and **image evidence**.
 - **Python, OpenCV, YOLOv8, Streamlit, SQLite, PaddleOCR**

[Real Time Stock Price Prediction](#)

- Built a **real-time stock forecasting** system using **LSTM** and **Random Forest** with **Yahoo Finance API**, achieving **94% accuracy** in short-term price prediction.
- Deployed an interactive **Streamlit app** for **live data updates**, **trend analysis**, and **model comparison (RMSE, MAPE, R²)** to support financial decision-making.
 - **Python, Streamlit, Yahoo Finance API, LSTM, Random Forest, Scikit-learn**

SKILLS & ACHIEVEMENTS

- **Technologies:** Languages (Python, SQL, R), ML/DL (Scikit-learn, TensorFlow, Keras, PyTorch, OpenCV, XGBoost, LightGBM, CatBoost), Computer Vision (YOLOv8, OpenCV, PaddleOCR, MediaPipe), NLP/Generative AI (HuggingFace, LangChain, LLaMA, SpaCy, NLTK), Data Analytics & Visualization (Pandas, NumPy, Matplotlib, Seaborn, Plotly, Power BI, Tableau, Advanced Excel), Web/Backend (Flask, Streamlit, Django, REST APIs), Databases (MySQL, SQLite, PostgreSQL, MongoDB), Cloud & Big Data (AWS, Hadoop), Tools (Git, GitHub, VS Code, Jupyter Notebook, Docker, MLflow, CI/CD).
- **Skills :** Machine Learning, Deep Learning, Data Science, Computer Vision, Data Analysis, Statistical Modeling, NLP & Generative AI, Feature Engineering, Model Evaluation & Optimization, Data Visualization, Big Data Analytics, Data Preprocessing, Model Deployment, Experimentation & Research, Software Development, Communication, and Problem Solving.
- **Achievements :** 200+ problems solved on [LeetCode](#), [GeeksForGeeks](#) Combined. Achieved 2nd Rank in Diploma. Participated in Hackthon (SIH 2025 Internal Hackthon Winner, Hackground India 2025, GO-FR).