

# 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**

AI/ML Intern

Oct. 2025-Present  
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**

Computer Vision Intern

Sep. 2025-Present  
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**

Machine Learning Intern

Aug. 2025 – Oct.2025  
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, R<sup>2</sup>) to support financial decision-making.
  - Python, Streamlit, Yahoo Finance API, LSTM, Random Forest, Scikit-learn

## SKILLS & ACHIEVEMENTS

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- **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 2<sup>nd</sup> Rank in Diploma. Participated in Hackthon (SIH 2025 Internal Hackthon Winner, Hackground India 2025, GO-FR).