CHINMAY PARDESHI

Chh. Sambhaji Nagar, Maharashtra.

📞 8767840482 ✉ pardeshichinmay16@gmail.com in LinkedIn ⚙ GitHub 🔗 Portfolio Website

Summary

I am a AI/ML enthusiast with hands-on experience in deep learning, computer vision, and data analytics. Completed a research internship at DRDO, working on object detection models and applying deep learning algorithms to real-world datasets. Skilled in Python, SQL, Power BI, and end-to-end ML workflows including data preprocessing, model training, and evaluation.

Technical Skills

Languages & Tools : Python, SQL, Mathematics & Statistics, PowerBI, Jupyter Notebook, Git, MySQL **ML Frameworks & NLP** : Sklearn, Tensorflow, OLLMA, Langchain, Huggingface, EDA with Python, Python Libraries(Numpy, Pandas, Sklearn, Matplotlib),
Deployment Tools: Azure cloud, Flask, API, Streamlit, Github

Professional Experience

Project Intern | CABS DRDO   **January 2025 – April 2025**

Bangalore, Karnataka

- Developed and implemented deep learning models for object detection.
- Worked on image preprocessing, image annotation, model training, and evaluation using Python and TensorFlow.

Projects

Gemini Nutrition Analyzer Link

Built an AI-powered nutrition analysis app using Gemini Pro Vision to extract food items and calories from images. Developed an interactive frontend with Streamlit and integrated image-to-text + NLP pipelines for detailed nutrient insights.

Tech Used: Gemini AI, Python, Streamlit, OpenAI Vision

Key Skills: Vision-Language Models, Real-world AI application, Prompt engineering

Natural Language to SQL Generator Link

Developed a LangChain-based system that converts natural language questions into accurate SQL queries. Integrated LearnLM for semantic understanding and deployed a clean UI with Streamlit for live testing.

Tech Used: LangChain, LearnLM, Python, Streamlit

Key Skills: LLMs, LangChain agents, NLP, SQL

Oriented Object Detection with MMRotate Link

Trained custom object detection models like ReDet and Oriented R-CNN using MMRotate on rotated datasets (DOTA). Handled dataset preprocessing, augmentation, and evaluation for real-world aerial imagery.

Tech Used: MMRotate, PyTorch, OpenMMLab, DOTA

Key Skills: Oriented Object Detection, Computer Vision, Model Training

Education

Maharashtra Institute of Technology   **2021– 2025**

Bachelor's of Engineering (Computer) | CGPA: 7.9   *Chh. Sambhaji Nagar, Maharashtra*

Certifications

1. **SQL (Intermediate) – HackerRank Link**
2. **Career Essentials in Data Analysis by Microsoft and LinkedIn Link**