CHINMAY PARDESHI

Chh. Sambhaji Nagar, Maharashtra.

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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

Frameworks & NLP : Sklearn, Tensorflow, Huggingface, EDA with Python, Python Libraries(Numpy, Pandas, Sklearn, Matplotlib)

Deployment Tools: 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

- Created an AI-driven app that analyzes food images to provide calorie and nutrient breakdowns.
- Integrated Gemini Vision API for image-to-text recognition and applied NLP for detailed insights.
- Designed an interactive frontend with Streamlit for real-time analysis.
- **Tech Used:** Python, Gemini API, Computer Vision, Streamlit

Smart ATS Resume Scanner 🔗 Link

- Developed an AI-powered tool to optimize resumes against job descriptions for ATS (Applicant Tracking System) compatibility.
- Implemented NLP pipelines to extract skills, keywords, and gaps in resumes.
- Built and deployed the interactive application using Python and Streamlit.
- **Tech Used:** Python, NLP, Streamlit, AI

Oriented Object Detection with MMRotate 🔗 Link

- Trained custom object detection models (ReDet, Oriented R-CNN) on aerial imagery datasets (DOTA).
- Handled dataset preprocessing, augmentation, and evaluation for rotated bounding box detection.
- Improved detection accuracy for real-world defense/research use cases.
- **Tech Used:** PyTorch, MMRotate, OpenMMLab, Computer Vision

Education

Maharashtra Institute of Technology   **2021– 2025**
Bachelor's of Engineering (Computer) | CGPA: 7.9   Chh. Sambhaji Nagar, Maharashtra

Certifications

1. **Python (Complete Beginner to Advanced) – GeeksforGeeks** Link
2. **SQL (Intermediate) – HackerRank** Link
3. **Data Analytics (Gfg)** Link
4. **Career Essentials in Data Analysis by Microsoft and LinkedIn** Link