

Chinmay Vikas Pardeshi

+91-8767840482 | pardeshichinmay16@gmail.com | [linkedin.com](https://www.linkedin.com) | github.com

Summary

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.

SKILLS AND INTERESTS

- **Programming Languages:** Java, Python, SQL
- **Machine Learning:** Scikit-learn, Pandas, NumPy, Matplotlib, TensorFlow, Pytorch
- **Database:** MySQL
- **Soft Skills:** Problem-solving, Collaboration, Communication
- **Version Control System:** Git, GitHub

Professional Experience

Project Intern | CABS, DRDO | *Bangalore, Karnataka* Jan – Apr, 2025

- 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

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

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

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, Chhatrapati Sambhajanagar

B.Tech in Computer Science and Engineering. | 2021 – Present | CGPA: 7.77/10

RJ International School H.S.C in PCMB | 2019 - 2021 | Percentage: 86%

CERTIFICATIONS

- [SQL \(Intermediate\) – HackerRank](#)
- [Career Essentials in Data Analysis by Microsoft and LinkedIn](#)