

Chinmay Pardeshi

Data Analyst/Data Scientist

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SUMMARY

I am an AI/ML and Data Analytics enthusiast with hands-on experience in deep learning, computer vision, and data-driven problem solving. Skilled in Python, SQL, Power BI, and machine learning workflows from data preprocessing to model deployment. Experienced in translating complex datasets into actionable business insights.

SKILLS

Programming: Python, Jupyter Notebook, SQL, MySQL, Git, GitHub

Data Analytics: Mathematics & Statistics, Power BI, EDA with Python, Data Cleaning, Feature Engineering

Frameworks: Tensorflow, Huggingface, Python Libraries (Numpy, Pandas, Sklearn, Matplotlib)

Deployment: Streamlit, API

Spoken Languages: English, Hindi, Marathi

EXPERIENCE

Project Intern

DRDO (Defence Research and Development Organisation)

Jan '25 — Apr '25

Bangalore, India

- Developed and implemented object detection models that improved accuracy by 12% on custom aerial datasets.
- Worked on image preprocessing, image annotation, model training, and evaluation using Python and TensorFlow.
- Implemented Fast R-CNN, Faster R-CNN, ReDet, and Oriented R-CNN architectures to evaluate performance on PASCAL VOC and DOTA datasets, improving rotated object detection accuracy.

Tech Used: PyTorch, MMrotate, OpenMMLab, Linux, X-AnyLabeling

PROJECTS

Gemini Nutrition Analyzer

- 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.

Smart ATS Resume Scanner

- 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.

Oriented Object Detection with MMRotate

- 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 and research use cases.

Tech Used: Google API Key, Computer Vision, WSL2

EDUCATION

Bachelor of Engineering in Computer Engineering

Maharashtra Institute of Technology | (CGPA: 7.9)

Jan '21 — May '25

Chhatrapati Sambhaji Nagar, India

CERTIFICATIONS

Python (Beginner to Advanced) – GeeksforGeeks

SQL Intermediate – HackerRank

Data Analytics – GeeksforGeeks

Career Essentials in Data Analysis – Microsoft and LinkedIn

Computer Vision 101 – Infosys Springboard

VOLUNTEERING

National Cadet Corps (NCC Cadet) | Jan 2021 – May 2025

- Demonstrated leadership, discipline, and teamwork through active participation.

College Event Coordinator

- Led and managed 5+ technical and cultural events improving engagement and logistics efficiency.