

Prathamesh Dhembre

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Internship

Software Developer Intern

Tata Motors, Pune

June 2025 – Aug 2025

- Contributed to developing the NET-O Real-Time Monitoring Dashboard for automated sustainability data tracking.
- Implemented real-time alert features to eliminate delays and improve reporting responsiveness.
- Built an R&D File Parser & Intelligence Platform, improving data transparency, streamlining communication between R&D and Production, and minimizing manual intervention.
- Enhanced workflow efficiency, data accuracy, and cross-team alignment through automated insights and centralized data visibility.

Projects

Sprout App | AI Powered Plant Care Web App

Oct 2025 – Nov 2025

Tech Used: React (TypeScript), Tailwind, Google Gemini Vision API, Gemini Studio API

- Engineered a web application that identifies plants from images and delivers care insights via an AI chatbot.
- Integrated Google Gemini Vision API for precise plant detection and structured result extraction.
- Enabled an AI-driven gardening assistant with persistent conversational memory for personalized advice.
- Architected and deployed the My Garden module for tracking, storing, and managing user-identified plants.
- GitHub Repository Link: <https://github.com/prathdotexe/SproutApp>

Astra AI | Astronaut Helper AI RAG Model

June 2025 – Sept 2025

Tech Used: Python, RAG, Vector DB, FastAPI, Prompt Engineering

- Designed an intelligent assistant to retrieve verified knowledge and deliver hallucination-free responses for space exploration.
- Constructed a Retrieval-Augmented Generation (RAG) pipeline to ensure evidence-backed outputs.
- Refined model accuracy through domain-specific dataset training and fine-tuning.
- Deployed a FastAPI backend with an interactive HTML/JS frontend for real-time user engagement.
- GitHub Repository Link: <https://github.com/prathdotexe/AstraAI>

Clienta App | AI-Enhanced CRM System

Feb 2025 – April 2025

Tech Used: React, Node.js, MongoDB, Tailwind CSS, Netlify

- Developed an AI Insight Dashboard that analyzes user behavior to recommend next-best follow-up actions.
- Automated workflow triggers including email notifications, reminders, and status transitions to eliminate manual effort.
- Enabled one-click actions for Call, Email, WhatsApp, and Follow-Up scheduling to boost user productivity.
- Crafted a mobile-first, responsive UI featuring smooth animations and floating smart-action buttons.
- GitHub Repository Link: <https://github.com/prathdotexe/Clienta>

Certifications

ChatGPT-4 Prompt Engineering: ChatGPT, Generative AI & LLM

Aug 2025

Infosys Springboard – Certificate Link

Python Super 30 Program

July 2024

Maangler – Certificate Link

Complete Data Science Bootcamp 2023

Nov 2023

Udemy – Certificate Link

Technical Skills

- Languages:** Python, JavaScript, Java, C, SQL
- Frameworks/ Libraries:** React.js, Node.js, Flask, OpenCV, Tkinter, Tailwind CSS
- Tools & Platforms:** Git, GitHub, MySQL, Firebase, Postman, Linux, Ollama

Education

Lovely Professional University, Punjab

Computer Science & Engineering – CGPA: 6.9

Aug 2023 – Present

Phagwara, Punjab

Shri Mhalsakant Vidyalaya & Jr College, Akrudi

Sept 2022 – March 2023

Intermediate College – Percentage: 67%

Pune, Maharashtra

Amrita Vidyalayam, Nigdi

March 2022

Matriculation Degree – Percentage: 75%

Pune, Maharashtra