

Prathamesh Chaudhari

Nashik, Maharashtra

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Profile Summary

AI & ML enthusiast with hands-on experience in Generative AI, Deep Learning, and Computer Vision projects like Image Generation and Bone Fracture Detection.

Skilled in Python, C++, Java, and tools like NumPy, with certifications from IBM, Google, and MATLAB.

Proficient in data analysis, cloud computing, and market research.

Education

Vellore Institute of Technology

Aug 2022 – May 2026

Bhopal, Madhya Pradesh

Bachelor of Technology – CGPA: 7.47

St. Joseph's Convent High School, Jalgaon

HSC – 65%

2022

SSC- 87%

2020

Experience

Backend Development Intern

AI Tutor Bot Application | [Aroma Brand Solutions]

Feb 2024 – April 2024

- Contributed to the development of a team-based AI tutor chatbot using Python.
- Assisted in designing backend modules and working with MongoDB for data handling.
- Supported frontend integration tasks using ReactJS in collaboration with the UI team.

Projects

- Image Generative AI** **September 2023**
Developed an AI image generation model using GANs and diffusion techniques to create high-quality visuals from text prompts with optimized realism and style.
- Bone Fracture Detection** **January 2024**
Developed a deep learning model using CNNs for automated bone fracture detection from X-ray images, enhancing diagnostic accuracy and early identification.
- Thermal Surveillance System** **October 2024**
Designed a real-time thermal surveillance system using YOLOv8 and Faster R-CNN to detect threats in low-visibility conditions, boosting security and monitoring.

- **Music Streaming Application**

April 2025

Music Streaming Application like spotify, creating own database.

Technical Skills

Languages: HTML, CSS, Javascript, C++, C, Python, Java

Technologies/Frameworks: GitHub, NumPy

Extracurricular / Certifications

- IBM Gen AI
- Mern Stack with MongoDB
- ISRO-IIRS Python Certificate