

Viraj Mane

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Education

VIT Bhopal University

BTech

Computer Science Engineering.
Cumulative CGPA: 8.11/10

Bhopal, Madhya Pradesh

Expected May 2026

SREF

12th Standard (HSC): - 66%

Chh. Sambhajinagar, Maharashtra

Jul 2022

Yashshree Academy

10th Standard (CBSE): - 90%

Mar 2020

Technical Skills

- **Programming:** Python, Java, HTML, CSS, JS
- **Full-Stack Development:** Frontend (React, HTML/CSS, JavaScript), Backend (Node.js, Express, REST APIs), Database (SQL, MongoDB)
- **AI & Deep Learning:** Neural Networks, Natural Language Processing (NLP), Computer Vision (CV), Generative AI
- **Web3 :** Smart Contracts (Solidity), dApp Development, Ethereum, Web3.js

Projects

- **Image Generative AI:** Developed a high-quality image generation model using GANs and diffusion models, enabling text-to-image synthesis with style transfer and enhanced realism.
- **Bone Fracture Detection:** Built a CNN-based deep learning system for automated X-ray analysis, improving early fracture detection accuracy and aiding in medical diagnostics.
- **Thermal Surveillance System:** Engineered a real-time surveillance solution integrating YOLOv8 and Faster R-CNN to detect threats in low-visibility thermal imagery.
- **Music Streaming App:** Designed and deployed "TuneTrails," a full-stack music platform using the MERN stack, featuring real-time playback, playlist management, authentication, and search.
- **ODIN – Web3 NFT & Crypto Suite:** Developed a decentralized platform with smart contracts for NFT marketplace functionalities, integrated with a crypto trading bot and Web3 wallet support using Solidity, Web3.js, and Ethers.js.

Certification & Training

- Generative AI course - IBM
- Fullstack Web Development using mongo DB - SmartInternz
- Python Essentials (May 2023) - E-Vidyarthi

Extracurricular

Maharashtra Club

VIT Bhopal

Member

Jan 2023 – May 2025

- Served as a event management committee member in several club events.

Languages

- **Fluent:** Hindi, English, Marathi
- **Conversational Proficiency:** Hindi, English, Marathi