# Viraj Mane

Phone: +919822013745 | Email: virajm0812@gmail.com | LinkedIn | GitHub | Portfolio

## Education

**VIT Bhopal University**                                                Bhopal, Madhya Pradesh
BTech                                                                        Expected May 2026
Computer Science Engineering.                                          Cumulative CGPA: 8.11/10

**JISA**                                                              Chh. Sambhajinagar, Maharashtra
**12th Standard (HSC)**: - 66%                                                        Jul 2022

**PODAR INTERNATIONAL CBSE**
**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 analysis bot and Web3 wallet support using Solidity, Web3.js, and Ethers.js.

● **Quake-P2P File Transfer Web App:** Quake is a lightweight, secure, and real-time file-sharing application that leverages Web Torrent and WebRTC to enable direct peer-to-peer (P2P) transfers—no server storage, no waiting.

## 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