Darpan Nemade

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Education

VIT Bhopal University — Bhopal, Madhya Pradesh
BTech — Expected May 2026
Computer Science Spec in Artificial Intelligence and Machine Learning.
Cumulative CGPA: 8.64/10

SREF — Ahmednagar, Maharashtra
12th Standard (HSC): - 81% — Jul 2022

Yashshree Academy
10th Standard (CBSE): - 97% — Mar 2020

Technical Skills

- **Programming:** Python, Java, HTML, CSS, JS
- **Data Analytics & Machine Learning:** Data Visualization, Supervised Learning, Classification, Regression, Ensemble Learning
- **Data Processing:** Data Cleaning, Data Transformation

Projects

- **Brain Tumor Classification:** Developed a high-accuracy brain tumor classifier using a hybrid ResNet-DenseNet architecture on MRI data for multi-class tumor detection.
- **Thermal Surveillance System:** Engineered a real-time thermal surveillance solution integrating YOLOv8 and Faster R-CNN with Unreal Engine for dynamic object detection visualization.
- **Social Media Caption Generator:** Built an LSTM-based deep learning model to automatically generate human-like captions from images using CNN-LSTM architecture.
- **Plant Disease Detection:** Created a CNN-based plant disease recognition system leveraging transfer learning for real-time, multi-crop disease classification.
- **Music Streaming App:** Designed and developed a full-stack music streaming application with MongoDB for scalable data storage, enabling real-time song playback, user authentication, and playlist management.

Certification & Training

- Generative AI course - IBM
- Fullstack Web Development using mongo DB - SmartInternz
- Machine Learning (Jan 2024)-Coursera
- 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