

Harsh Damodar Pandit

+91 9373455453 | harshpandit2005@gmail.com | LinkedIn Account | GitHub Profile

SUMMARY

Results-driven Computer Science student at VIT Bhopal specializing in Machine Learning and Data Science. Skilled in Python, TensorFlow, and Scikit-learn to develop intelligent models and data-driven insights. Experienced in generative AI and vector embeddings with a strong focus on solving real-world challenges through AI and data-driven insights.

TECHNICAL SKILLS

Programming Languages: Python, C++, SQL

Machine Learning & AI: TensorFlow, PyTorch, Keras, Scikit learn, NumPy, Pandas, Matplotlib, Seaborn, OpenCV, LangChain

Databases: MySQL, PostgreSQL

Tools & Platforms: Git, GitHub, Jupyter Notebook, REST APIs, VS Code, Google Colab

PROJECTS

Video Anomaly Detection

Machine Learning Project

April 2025 – Present

Python, Random Forest, OpenCV

- Developed a Machine learning based anomaly detection system for video surveillance, processing over 10,000 video frames.
- Trained a custom model to identify unusual patterns in video frames using OpenCV and Python.
- Trained Random Forest model to identify unusual patterns with 92% detection accuracy, reducing manual monitoring effort by 70%

GenAI Document Q&A Assistant

Generative AI Project

May 2025

LangChain, Gemini API, Vector Database

- Developed a Generative AI system that allows users to upload documents and ask questions in natural language.
- Converted document text into vector embeddings and stored them in a vector database for fast retrieval.
- Leveraged LangChain and Gemini API to generate accurate, context-aware answers from documents.

EXPERIENCE

Agent Developer

NASSCOM & Gnani.ai

Aug 2025

- Developed a Consumer Durables AI Agent using Inya.ai to handle service requests and installations for appliances such as AC, Washing Machine, Refrigerator, Water Purifier, and TV.
- Designed an intelligent agent capable of answering queries, recommending products, and handling end-to-end customer requests.
- Integrated AI workflows for text and voice-based queries, enhancing user engagement.
- Recognized as Top Finalist among 5,700+ participants for designing a scalable, intelligent, and solution-oriented AI agent.

EDUCATION

VIT BHOPAL

B TECH. in Computer Science, Artificial Intelligence and Machine Learning

BHOPAL, MP

SEP 2023 – May 2027

CERTIFICATIONS

• Google Cloud Generative AI

• NPTL Cloud Computing