

# Narendra Tekale

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## OBJECTIVE

Results-driven Machine Learning and Generative AI graduate with hands-on experience in Python, NLP, LLMs, and building end-to-end ML applications. Seeking a Software or AI Engineering role to apply data-driven problem-solving, scalable system design, and API development skills. Motivated to contribute to real-world projects through teamwork, continuous learning, and practical ML solutions.

## SKILLS

**Technical Skills:** Python, SQL, Java, PyTorch, NLP, LLM, RAG, LangGraph, FastAPI, Docker, Git

**Behavioral Skills:** Leadership, Team Collaboration, Problem Solving, Communication, Adaptability

## EDUCATION

### PES Modern Collage of Engineering [SPPU]

2022 – 2026

BE in Artificial Intelligence and Machine Learning (*CGPA: 7.20*)

Pune, India

### Jawahar Navodaya Vidyalaya

2015 – 2022

Secondary Education and Higher Secondary Education

Parbhani, India

## EXPERIENCE

### Machine Learning Intern | NV Analytical Solution

01/2025 – 04/2025

Domain: *Applied ML, Data Analytics, LLMs*

- Designed and trained NLP chatbot using LangChain and open-source LLMs to answer natural-language data queries.
- Preprocessed large-scale HCES data (10K+ records) using Pandas and built analysis dashboards in Looker Studio.
- Performed data cleaning, transformation, and structuring to support accurate and meaningful visual reporting.

## PROJECTS

### RAG-Based YouTube Chatbot | *Python, LangChain, LLMs, Vector Databases (FAISS/Chroma), NLP*

- Built a Retrieval-Augmented Generation (RAG) chatbot to answer user queries based on YouTube video transcripts and content
- Implemented document ingestion, text chunking, embedding generation, and semantic retrieval using LangChain pipelines

### QuoraTwin – Duplicate Question Detection using NLP | *Python, NLP, Scikit-learn / Deep Learning, Word Embeddings*

- Performed text preprocessing including tokenization, stop-word removal, and normalization to improve model performance.
- Utilized word embeddings and semantic similarity techniques to capture contextual meaning between question pairs.
- Trained and evaluated ML models to predict semantic similarity and classify duplicate questions accurately.

## CERTIFICATIONS

Machine Learning A-Z: AI, Python Certificate : [\(Link\)](#)

## ACHIEVEMENTS

- Technical Head – College Code Club (AI ML)

## OTHER LANGUAGES AND INTERESTS

**Languages Known:** English (Fluent), Hindi (Fluent)

**Interests:** Cloud Computing, Machine Learning, Competitive Programming