

PRANALI PRAKASH PATIL

India +91 8080956933 pranalipatil03@gmail.com github.com/Pranali0315 Portfolio Website

OBJECTIVE

Final-year AIML undergraduate specializing in Generative AI, LLM fine-tuning, and RAG-based architectures. Experienced in developing scalable AI pipelines, implementing vector-based retrieval systems, and building agentic workflows using modern ML frameworks.

EDUCATION

D.Y. Patil College of Engineering and Technology
Bachelor of Computer Science Engineering (AIML) GPA: 9.2

Kolhapur, India
November 2022 – May 2026

TECHNICAL SKILLS

Programming Languages: Python, Core Java
AI & Machine Learning: ML, DL, NLP, LLMs, Transformers, RAG, Fine-tuning, EDA
Frameworks & Libraries: PyTorch, Hugging Face, LangChain, LangGraph, Pandas, Flask, FastAPI
Databases: MySQL, MongoDB, Qdrant
Tools: Git, Docker, REST APIs

EXPERIENCE

AI Research Intern – AHRC, IIT Bhubaneswar January 2026 – Present

Tech Stack: Python, PyTorch, Transformers, Advanced LSTM

Designed and implemented end-to-end financial time-series prediction pipelines, including data preprocessing, return computation, feature engineering, and correlation analysis. Built multivariate datasets and trained LSTM-based models to predict stock price direction.

AI Intern – Clevrr AI

November 2025 – December 2025

Tech Stack: Python, LangGraph, ClickHouse, Neo4j

Developed LLM-based agentic workflows and integrated knowledge graph systems to enhance contextual retrieval for large language models. Implemented structured data pipelines to improve information retrieval efficiency.

Data Analytics Intern – IIT Bombay

June 2025 – August 2025

Tech Stack: Python, EDA, LSTM, Transformers, Git

Performed data preprocessing and exploratory data analysis on historical student engagement datasets. Trained LSTM and Transformer-based models to forecast engagement trends using time-series data.

RESEARCH WORK

Beyond Algorithm: GenAI Philosopher

IEEE Xplore 2025

Explored philosophical and societal implications of large generative AI models and proposed a structured framework for responsible GenAI development and deployment.

PROJECTS

PhilosopherAI — GitHub

January 2025 – May 2025

Technologies: Web Scraping, LLMs, PEFT, Hugging Face, PyTorch

Built an AI-powered conversational chatbot leveraging the Stanford Encyclopedia of Philosophy. Implemented fine-tuning and prompt engineering techniques to generate context-aware and logically structured responses.

Vidhaan — GitHub

February 2024 – October 2024

Technologies: Python, RAG, LLMs, Qdrant

Engineered an offline AI chatbot using Retrieval-Augmented Generation to simplify complex constitutional language. Integrated vector embeddings with Qdrant for semantic search and contextual response generation.

Time-Series Forecasting of Engagement Levels — GitHub

June 2025 – October 2025

Technologies: EDA, LSTM, Transformers

Developed a multimodal time-series forecasting system using EEG, GSR, and eye-tracking signals. Applied deep learning models to predict engagement trends from sequential data inputs.

CERTIFICATIONS

Introduction to Machine Learning – Duke University -Certificate

March 2025

Generative AI with Large Language Models – AWS -Certificate

March 2025