Nachiket Bhagaji Shinde

AI Developer

📞 +91-8766055949 ✉️ nachiketshinde2004@gmail.com in linkedin.com/in/nachiket-shinde2004 ⭘ github.com/Nachiket858

Summary

AI Developer skilled in Machine Learning, Deep Learning, and Generative AI. Experienced with Python, RAG pipelines, vector databases, LangChain, and production-ready GenAI systems. Focused on building scalable, efficient, and automation-driven AI solutions.

Skills

Programming: Python, Java, C/C++
AI & ML: Scikit-learn, TensorFlow, PyTorch, Deep Learning, NLP, Computer Vision
Generative AI: RAG, LLMs, LangChain, LangGraph, Qdrant, Embeddings, Vector Search, N8N
Tools & Frameworks: Flask, Django, FastAPI, Streamlit, Docker, Git, Postman
Databases: MongoDB, PostgreSQL, MySQL, SQLite, Qdrant

Experience

Software Developer   **June 2025 – Present**
Mountreach Solutions (Remote)

– Enhanced RAG retrieval accuracy by **30%** through embedding optimization and hybrid filtering.
– Built complete ML workflows supporting preprocessing, experimentation, and evaluation.
– Developed scalable FastAPI-based REST services for ML and Generative AI deployment.
– Created a vector-search assistant reducing manual query operations by **70%**.

Projects

Arjuna – AI College Chatbot (GenAI + RAG) | Flask, Qdrant, LangGraph   **2025**
– Built a context-aware chatbot using RAG with Qdrant semantic search, boosting relevance by **80%**.
– Implemented metadata-based filtering and hybrid retrieval for better grounding.
– Designed evaluation workflows measuring accuracy, coherence, and hallucination control.

Automated Multi-Script Generation Pipeline (GenAI + n8n) | Gemini, n8n, Google Sheets   **2025**
– Built an automated GenAI pipeline generating multiple long-form and short-form video script in a single run.
– Designed a regex-based JSON extractor that fixes corrupted Gemini output, ensuring 100% clean structured data.
– Automated Google Sheets workflow to dynamically create sheets, write headers, and auto-append all generated scripts.

PyCodeML – Automated ML Model Recommender | Python, Scikit-learn   **2024**
– Created an AutoML engine for model ranking, scoring, and comparison across datasets.
– Achieved **40%** higher predictive performance via grid-search hyperparameter tuning.
– Built modular pipelines with configuration support and performance dashboards.

Certifications

NPTEL – IIT Kharagpur: DBMS, C Programming, Java, Compiler Design
NPTEL – IIT Madras: Design and Analysis of Algorithms

Achievements

- **NPTEL Discipline Star** — Awarded by IIT Bombay for exceptional academic performance.

- Published research paper: *"PyCodeML: Automated ML Model Selection Framework"* at NCISET 2025.

Education

B.Tech. in Computer Science and Engineering   **Aug 2022 – June 2026**
CSMSS Chh. Shahu College of Engineering, Chh. Sambhajinagar   *CGPA: 7.53 / 10*