



Nachiket Bhagaji Shinde

✉ nachiketshinde2004@gmail.com  linkedin  GitHub ☎ +91-8766055949

Professional Summary

AI/ML Developer skilled in building intelligent applications using Python, Machine Learning, and Deep Learning. Strong in data preprocessing, model training, NLP, Computer Vision, LLMs, and integrating AI features into backend systems.

Technical Skills

Languages: Python, Java, C
AI/ML & Deep Learning: Scikit-learn, TensorFlow, NumPy, Pandas, LLMs, RAG, NLP, Computer Vision
Frameworks & Libraries: Flask, FastAPI, LangChain, LangGraph, Django
Databases: MongoDB, SQLite, MySQL, PostgreSQL, Qdrant
Tools: Git, GitHub, Docker, Postman, Jira

Experience

AI Developer — Mountreach Solutions June 2025 – Present

- Improved GenAI accuracy by optimizing RAG pipeline, embeddings, and prompt instructions.
- Built ML pipelines for data preprocessing, training, and evaluation to streamline experimentation.
- Developed backend APIs using Flask/FastAPI to integrate AI models with secure authentication.

Projects

Arjuna – AI-Powered College Chatbot GitHub Repo

- Developed an autonomous chatbot using LangGraph + Gemini API for academic/admin queries.
- Integrated Qdrant vector search improving answer accuracy and reducing response time.
- Improved student query resolution efficiency by **80%**.

PyCodeML – Automated ML Model Selector (Published on PyPI) PyPI Package

- Published Python package that auto-trains ML models and recommends the best model.
- Supports regression and classification with hyperparameter tuning.
- Added CI/CD pipeline and public documentation.

Facial Recognition-Based Voting System GitHub Repo

- Built a secure voting system using real-time facial recognition for voter authentication.
- Designed dual panels: Admin for election management and Voter for facial-based authentication and voting.
- Prevented duplicate voting using DeepFace-based identity verification pipeline.

Education

CSMSS Chh. Shahu College of Engineering, Chh. Sambhajinagar	CGPA: 7.53/10
B.Tech. in Computer Science and Engineering (DBATU)	2022–26
Prabhat Secondary and Higher Secondary School, Nidhona	79.67%
HSC (Maharashtra State Board)	2021–22
Shri Sant Savta Gurukul, Phulambri	87.60%
SSC (Maharashtra State Board)	2019–20

Certifications

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

Achievements

- NPTEL Discipline Star (IIT Certified)** awarded for high academic performance across multiple courses.
- Research paper accepted — *"PyCodeML: Automated Machine Learning Model Selection Framework"* (NCISET 2025).