

NACHIKET BHAGAJI SHINDE

Data Scientist — Machine Learning Engineer

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Summary

Data Scientist experienced in predictive modeling, feature engineering, and deployment of ML pipelines. Skilled in NLP and GenAI with expertise in vector databases and building scalable LLM-based applications.

Skills

Programming: Python, Java, C/C++

ML / Data: Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, Feature Engineering, Model Optimization

Tools / Frameworks: Flask, LangChain, LangGraph, OpenCV, DeepFace, Docker, Git, Postman

Databases: MySQL, MongoDB, SQLite, Qdrant

Concepts: NLP, Regression, Classification, Model Deployment

Experience

Software Developer — AI/ML

June 2025 – Present

Mountreach Solutions (Remote)

- Engineered scalable ML backend pipelines enabling automated model inference and API-based delivery.
- Built a domain-agnostic LLM chatbot with vector search, reducing manual staff queries by **70%**.
- Reduced model onboarding time from **2 weeks** → **3 days** by modularizing backend components.

Projects

PyCodeML – Automated ML Model Selector | Python, Scikit-learn

2024

- Published a PyPI package that automates model training, evaluation, and result generation across multiple ML algorithms.
- Integrated hyperparameter tuning and scoring analytics improving model selection efficiency by **40%**.
- Designed modular APIs enabling reproducible ML experimentation and dataset flexibility.

Arjuna – AI Chatbot (GenAI + NLP + RAG) | Flask, LangGraph, Qdrant

2024

- Developed chatbot using vector search + LLM workflows to answer academic/admin queries contextually.
- Implemented document ingestion pipeline enabling dynamic knowledge retrieval via embeddings.
- Reduced repetitive student/staff queries by **80%** via automated response generation.

Sentify – Emotion Detection and Classification | DeepFace, OpenCV

2024

- Built real-time emotion recognition model using DeepFace embeddings and inference scoring.
- Deployed Flask APIs supporting live video streaming with confidence-based analysis.
- Optimized frame processing pipeline achieving near real-time insights.

Achievements & Certifications

- **NPTEL Discipline Star — IIT Madras** (Top performer across multiple certifications).
- **Research Paper — NCISSET 2025:** PyCodeML — Automated ML Model Selection Framework.
- NPTEL Certifications: DBMS, C Programming, Java, Compiler Design, Design & Analysis of Algorithms.

Education

B.Tech., Computer Science and Engineering

CSMSS Chhatrapati Shahu College of Engineering, Chh. Sambhajinagar

Aug 2022 – Present

CGPA: 7.53 / 10