

NACHIKET BHAGAJI SHINDE

Software Developer — Data Science & AI

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Summary

Dedicated Software Developer specializing in Data Science and AI, skilled in predictive modeling, feature engineering, and statistical analysis. Experienced in optimizing data workflows, tuning algorithms, and building scalable machine learning solutions. Focused on delivering accurate, insight-driven systems that support effective decision-making.

Skills

Programming: Python, Java, C/C++

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

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

Databases: MySQL, MongoDB, SQLite

Core Concepts: Regression, Classification, Data Analysis, DSA Basics

Experience

Software Developer — AI/ML

June 2025 – Present

Mountreach Solutions (Remote)

- Engineered scalable ML backend components, improving inference efficiency by **30%**.
- Built an AI-powered chatbot with vector retrieval, reducing manual staff queries by **70%**.
- Designed structured preprocessing pipelines that strengthened data handling and workflow performance.

Projects

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

2024

- Published a PyPI package that automates training, evaluation, and comparison of ML algorithms.
- Integrated hyperparameter tuning that increased model selection accuracy by **40%**.
- Developed modular APIs enabling reproducible and flexible ML experimentation.

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

2024

- Built a chatbot using embeddings and vector search to answer academic/admin queries.
- Implemented a document ingestion pipeline supporting dynamic knowledge retrieval.
- Reduced repetitive institutional queries by **80%**.

Sentify – Emotion Detection System | DeepFace, OpenCV

2024

- Created a real-time emotion recognition system using DeepFace embeddings and scoring.
- Developed Flask APIs for live video stream analysis.
- Optimized frame-processing pipeline enabling near real-time performance.

Achievements

- **NPTEL Discipline Star** — IIT Madras (Top performer across multiple certifications).
- **Research Paper** — NCISSET 2025: PyCodeML — Automated ML Model Selection Framework.
- Completed NPTEL certifications in DBMS, C Programming, Java, Compiler Design, and DAA.

Education

B.Tech., Computer Science and Engineering

Aug 2022 – June 2026

CSMSS Chhatrapati Shahu College of Engineering, Chh. Sambhajinagar

CGPA: 7.53 / 10