

# NACHIKET BHAGAJI SHINDE

## Software Developer — Data Science & AI

📞 +91-8766055949 📩 [nachiketshinde2004@gmail.com](mailto:nachiketshinde2004@gmail.com) 💻 [linkedin.com/in/nachiket-shinde2004](https://linkedin.com/in/nachiket-shinde2004) 🌐 [github.com/Nachiket858](https://github.com/Nachiket858)

### 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 — NCISET 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