

NIKITA PATIL

Aspiring Software Engineer

☎ +91 7972704101

✉ nikpatil2197@gmail.com

📍 Pune, Maharashtra

PROFESSIONAL SUMMARY

Aspiring software engineer pursuing B.Tech in Computer Engineering with specialization in Artificial Intelligence. Robust skill set in Java programming and machine learning. Passionate about problem solving and eager to contribute as a fresher in a dynamic tech environment.

SKILLS

- **Languages:** Java, Html
- **Database:** MySQL
- **Machine Learning & Deep Learning:** Scikit-learn, TensorFlow, Keras, PyTorch
- **Data Science:** Pandas, NumPy, Matplotlib, MongoDB
- **Tools:** VS Code, Jupyter Notebook
- **Soft Skills:** Project Management, Teamwork, Critical thinking, Adaptability, Communication, Leadership

PROJECTS

Human Scream Detection System *Python, TensorFlow/Keras, Librosa, CNN, Scikit-learn*

- Developed an automated audio classification system designed to detect human screams in real-time to enhance public safety and emergency response.
- Engineered features from raw audio data using Mel-frequency cepstral coefficients (MFCCs), chroma features, and spectral contrast to distinguish screams from background noise (sirens, traffic, wind).
- Built and trained a Convolutional Neural Network (CNN) on the [Dataset Name, e.g., UrbanSound8K or Custom Dataset], achieving an accuracy of [92] Implemented a rolling-window buffer to process continuous audio streams, reducing false positives by [95]

DiamondShield: A Blockchain AI powered Diamond Security System *Machine learning,*

- Blockchain and AI powered Diamond Security System: Engineered an integrated Blockchain-AI platform combining ML (Random Forest, etc.) for real-time diamond authentication with Hyperledger Fabric for immutable provenance.
- Developing a secure API providing financial partners with verified asset history, leveraging Forensic Fingerprinting (SHA-256 hash of GIA data) to streamline risk assessment and reduce claims fraud

EDUCATION

Bachelor of Technology in Computer Science & Engineering (AI) **2026**
PCET Nutan College of Engineering and Research, Talegaon Dabhade CGPA: 7.0/10.0

12 th L.G.R.knya prashala sangli **2019**
Percentage: 85.00%

CERTIFICATIONS

- Completed Demystifying Cloud Computing and data analytics and latest AI Trends from VERITAS [Certificate]
- Python for Data Science [Certificate]
- Data Science and Amazon Web Services - Value-added Course

INTERNSHIP

- Intern Engineer : NICE Interactive Solutions India Pvt.Ltd 12/2023 -07/2024 Pune,India
- Contribution towards the project "Kafka to Websocket Connector Layer"