

Profile

AI/ML enthusiast deeply committed to advancing in the field, with strong proficiency in Python and practical experience developing, deploying, and scaling machine learning solutions using TensorFlow, PyTorch, and Flask. Specialized in natural language processing and computer vision, focusing on real-world applications and full-stack AI integration. Known for rapid learning and continuous upskilling, driven by a passion to build robust, intelligent systems that deliver tangible impact.

AI/ML Experience

Independent Projects (Built in 2–3 Months)

Mar 2025 – May 2025

- *Independently developed 6 AI/ML projects in under 3 months, showcasing strong self-learning, practical implementation, and deployment skills.*
- **Japanese-Audio-Interpreter**
 - Developed a web app using Whisper to transcribe Japanese audio (live and uploaded) with 92% accuracy; supported TXT, SRT, and VTT export.
 - Optimized audio pipeline with FFmpeg for reduced processing latency; useful for subtitle automation and language learning.
- **AI Chatbot**
 - Built a hybrid chatbot supporting local JSON Q/A, OCR-based input from images, and fallback web search for dynamic responses.
 - Implemented multilingual support (English + Japanese Romaji); integrated using Flask and JavaScript frontend.
- **Fraud-Detection-Prediction-Web-App**
 - Trained a Random Forest model on 10K+ financial transactions; achieved 0.95 AUC for fraud classification.
 - Created an interactive Flask web interface with visual insights including feature importance and confusion matrix.
- **ChatBot Web Application (Audio-based)**
 - Integrated Vosk + FFmpeg to transcribe system audio in real-time during screen sharing using getDisplayMedia.
 - Parsed transcriptions for question detection and triggered contextual bot replies based on local/web modules.
- **HousePricePrediction**
 - Built a linear regression model to estimate house prices with an R^2 score of 0.89 using custom user inputs.
 - Deployed a responsive Flask app with real-time predictions and dynamic form validation.
- **Sentiment Analysis**
 - Designed an LSTM-based sentiment classifier using Keras on the IMDB dataset; achieved 88% accuracy.
 - Deployed an intuitive web interface for users to input and analyze review sentiment in real time.

Internship

Acutok Info Solutions
Frontend Developer Intern

Sept 2024 – May 2025
Pune, India

- Built responsive React apps with TypeScript and Bootstrap, improving UI speed by 25%.

- Implemented REST API integrations, reducing loading time by 40%.
- Worked in Agile team delivering 3+ production-grade modules.

Education

Savitribai Phule Pune University
Bachelor of Computer Applications (BCA)

Aug 2020 – May 2023
Pune, India

- Relevant Coursework: Data Structures, Algorithms, Machine Learning Fundamentals

Technical Skills

Languages

Python, Java, JavaScript, TypeScript, C/C++

Databases

MySQL, MongoDB, SQLite

AI/ML

TensorFlow, PyTorch, Scikit-learn, Vosk, Whisper

Tools

Git, GitHub, VS Code, Jupyter, PyCharm, FFmpeg

Web Development

Flask, Django, React, HTML/CSS, Bootstrap, REST APIs

Cloud / APIs

AWS EC2, GraphQL, JSON/XML

Data Science

Pandas, NumPy, Matplotlib, Seaborn

Languages Known

Hindi (Native), English (Fluent), Japanese (N5), Marathi (Fluent)