

Lokesh Lohar

Artificial Intelligence And Machine Learning Engineer

Passionate and driven Artificial Intelligence and Machine Learning Engineer with a strong foundation in software development, full-stack engineering, and cutting-edge AI technologies, including large language models (LLMs), natural language processing (NLP), retrieval-augmented generation (RAG), deep learning, and generative AI. Proficient in designing and deploying scalable AI systems and solutions that address real-world challenges. Adept at applying a product-thinking mindset to build impactful, user-centric applications. Committed to continuous learning and contributing to innovative AI initiatives in dynamic, high-performance environments.

✉ lokeshhlohar80@gmail.com 📞 +91 9967200753 📍 Thane,Mumbai 🔗 [linkedin.com/in/lokesh-lohar-74b55a2a5](https://www.linkedin.com/in/lokesh-lohar-74b55a2a5)

WORK EXPERIENCE

AI/ML & Software Engineering Internships / Projects

Remote | Freelance & Hackathons

06/2022– Present

- Engineered an AI-powered Mock Interview System leveraging NLP, LLMs (OpenAI, Hugging Face Transformers), and feedback scoring to simulate real interviews and improve candidate performance.
- Developed a Driver Drowsiness Detection System and Facial Emotion Recognition System using OpenCV, CNNs, TensorFlow, and Keras, enhancing road safety and behavioral analytics.
- Designed and built an AI Course Generator leveraging RAG pipelines, LLMops, and MERN stack (MongoDB, Express, React, Node) to create personalized, day-wise learning journeys.
- Collaborated in Adobe GenAI Hackathon, creating a generative AI-based application that earned recognition for innovation.

Technical Tools & Skills: Python, TensorFlow, Keras, PyTorch, OpenCV, Hugging Face, Scikit-learn, REST APIs, MERN Stack, Docker, Git, CI/CD, Prompt Engineering, Retrieval-Augmented Generation (RAG), LLMops, FastAPI.

Technical Contributor & Open Source Collaborator

Remote / Online

06/2022 – Present

- Deployed custom LLMs, RAG pipelines, and reinforcement learning agents to Hugging Face with reproducible, containerized pipelines.
- Authored detailed documentation for model training, fine-tuning, and deployment workflows for community adoption.
- Maintained a GitHub portfolio featuring modular codebases for NLP, computer vision, and full-stack AI applications.
- Collaborated with open-source communities (Hugging Face, GitHub, Kaggle) to receive feedback and improve project performance.

Technical Tools & Skills: Python, Flask, FastAPI, GitHub Actions, Docker, REST APIs, NLP (spaCy, NLTK), LangChain, Vector Databases (FAISS, Pinecone), CI/CD, MLOps tools (MLflow, DVC).

Assistant Manager – Business Operations

Bhairavnath Interior Work | Thane, Maharashtra

08/2020 – Present

- Managed financial planning and client relations for 70+ interior projects, ensuring 100% on-time delivery through streamlined workflows. Drove business growth via optimized budgeting, negotiation, and strategic operations.

SKILLS

- | | |
|----------------------------------|------------------------------------|
| - C, C++, Java (OOP), Python | - Cybersecurity |
| - SQL | - Teamwork , Leadership |
| - MERN Stack | - Client Handling |
| - ML (Supervised/Unsupervised) | - Communication & Presentation |
| - Deep Learning, Neural Networks | - Problem Solving & Adaptability |
| - NLP , LLMs | - Time Management & Prioritization |
| - RAG , Generative AI | |
| - Agentic AI | |
| - Reinforcement Learning | |
| - Product Management | |
| - Cloud Computing & Deployment | |

CERTIFICATIONS

ML AND DS WITH Langchain And LLMs

[Udemy](#)

Machine Learning - Scaler

[Supervised Learning](#)

[Unsupervised Learning](#)

Deep Learning - Scaler

[Scaler](#)

Large Language Models

[Hugging Face](#) , [Deeplearning.AI](#) : [LLMOps](#) , [Pretraining](#) , [Finetuning](#) .

Retrieval Augmented Generation

[Simplilearn](#) , [Deeplearning.AI](#) : [RAG](#) , [Agentic RAG](#) , [Knowledge Graph](#)

MERN Stack

[Simplilearn](#) : [ReactJS](#) , [NodeJS](#) , [MongoDB](#) , [ExpressJS](#)

Product Management

[Pendo](#) : [Product Management](#) , [AI For Product Management](#)

EDUCATION

Bachelor of Engineering In Artificial Intelligence and Machine Learning

Smt. Indira Gandhi

College of Engineering, Navi Mumbai

2022 - 2026

LANGUAGES

English

Professional Proficiency

Hindi

Native or Bilingual Proficiency

Marathi

Full Professional Proficiency