

# 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.

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

## 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