

# Nawab khan AI/ML Engineer

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## 👤 PROFILE

AI/ML Engineer specializing in LLM fine-tuning, RAG pipelines, and agentic chatbot development. Proven ability to design and deploy scalable AI solutions that boost performance and user engagement.

## 📁 PROFESSIONAL EXPERIENCE

### AI Engineer

Syscraft Information System Pvt. Ltd. 🌐

06/2025 – Present | Indore, Madhya Pradesh

- Developing cutting-edge AI Agents and automation workflows for enterprise use-cases.
- Building intelligent LangGraph-based chatbots, tool-integrated agents, and RAG pipelines.
- Deploying solutions using OpenAI, LangChain, FastAPI, and Pinecone to enhance productivity and decision-making

### ML Engineer Intern

ART (Abstinent Research & Technologies) 🌐

09/2024 – 05/2025 | Bhopal, Madhya Pradesh

- Fine-tuned large language models (LLMs) and improved accuracy by 12.5% using SFT and RLHF protocols.
- Enhanced model reliability with human feedback loops and rigorous evaluation, reducing errors by 50%.
- Built a LangChain-based AI chatbot for interactive language learning with GPT-4 and real-time feedback.

## 📁 PROJECTS

### AI-Chikitsak Chatbot 🌐

- An AI medical assistant that provides accurate healthcare information and symptom analysis.
- Built using GPT-4, LangChain, Pinecone, and a curated medical vector DB.

### Agentic AI Customer Support Chatbot

- An AI-powered customer support agent for answering user queries and assisting.
- Built using LangGraph, tool calling, OpenAI GPT-4, Pinecone, and FastAPI for session-based memory.

### GestureX

- A real-time Indian Sign Language (ISL) translator for accessibility and communication.
- Built using TensorFlow Object Detection with camera integration and live feedback.

### Diabetic Retinopathy Detection

- A medical image analysis tool to detect diabetic retinopathy in retinal scans.
- Built using TensorFlow and CNNs trained on real-world medical datasets.

## 🎓 EDUCATION

### Bachelor of Technology in Computer Science and Engineering (B.TECH)

Sushila Devi Bansal College of Technology

CGPA: 7.37 (up to 6th semester)

## 📄 CERTIFICATES

### Generative AI & Agentic AI

Generative AI & Agentic AI with API Calls, Fine-tuning, Functional Tool calling – LinkedIn Learning

### Python Programming

Python Programming For Data Science and Machine learning

### Cyber Security

Basic Cyber Security Awareness (Pen Testing, Network Security)

### AWS Cloud

AWS Cloud Foundations – SageMaker, EC2 Deployment

## 🧠 SKILLS

### Python

NumPy, Pandas, Matplotlib, Requests, Flask, FastAPI, Django, OpenAI SDK

### C, C++

STL, Data Structures, Algorithms

### AI/ML & Generative AI

LLMs, LangChain, LangGraph, Prompt Engineering, RAG, RLHF, SFT, pytorch, Sklearn

### Deep Learning

TensorFlow, CNN, OpenCV, Object Detection

### Databases

MySQL, PostgreSQL, Pinecone (Vector DB), NoSQL

### Dev & Automation Tools

Git, GitHub, Postman, VS Code, Google Colab

### Soft Skills

Communication, Leadership, Problem-solving, Teamwork, Adaptability

## ✍️ DECLARATION

I hereby declare that the information provided is true and accurate to the best of my knowledge.