

NISHAN KHAREL

+977 9862993796 ◊ Kathmandu, Nepal

nkharel57@gmail.com ◊ [linkedin.com/in/nkharel](https://www.linkedin.com/in/nkharel) ◊ github.com/nishankhareln

PROFESSIONAL SUMMARY

Results-driven Machine Learning Engineer with 1+ year of hands-on experience deploying AI solutions and managing end-to-end ML pipelines. Specialized in Large Language Models (LLMs), Retrieval-Augmented Generation (RAG), and data engineering using Apache Airflow and Docker. Proven track record of developing chatbots, implementing ETL processes, and delivering data-driven insights that enhance business performance.

EDUCATION

Bachelor of Computer Science and Information Technology

Texas International College (Tribhuvan University)

Expected 2026

TECHNICAL SKILLS

Technical Skills: Python, SQL, LLMs, RAG, Machine Learning, Deep Learning, TensorFlow, Transformers, FastAPI, Pandas, NumPy, Docker, Apache Airflow, Fine-tuning

Tools: Git, Jupyter Notebook, VS Code, Postman, PgAdmin, Anaconda

Soft Skills: Communication, Problem Solving, Creativity, Teamwork, Analytical Thinking

PROFESSIONAL EXPERIENCE

Data Scientist

Mind Risers Technology

March 2025 – August 2025

Kathmandu, Nepal

- Developed and deployed 2+ production-ready Prompt Engineering using OpenAPI keys and OpenAI GPT models, improving user engagement.
- Developed and deployed 2+ production-ready chatbots using LangChain and OpenAI GPT models, improving customer engagement by 40%
- Managed AI project lifecycle from requirement gathering to deployment, ensuring 99% uptime for deployed solutions
- Implemented rapid prototyping methodologies that reduced development time by 30% through iterative testing
- Collaborated with cross-functional teams to deliver AI solutions aligned with business objectives

Data Science Consultant

Namaste Network

Oct 2024 – Present

Chabahil, Kathmandu

- Mentored 50+ students on data analysis projects using Microsoft Power BI and Python, achieving 95% project completion rate
- Delivered comprehensive training sessions on data visualization techniques using Matplotlib and Seaborn
- Designed curriculum and learning materials for data science bootcamp, improving student satisfaction by 25%

Machine Learning Tutor

Texas International College

2024

Kathmandu, Nepal

- Conducted 20+ lectures and mentoring sessions on AI and Machine Learning for undergraduate students
- Facilitated hands-on workshops on ML concept implementation, resulting in 90% student pass rate
- Developed practical exercises and real-world case studies to enhance student understanding

KEY PROJECTS

Recruit Nepal-Job Description Creator

[GitHub](#)

Built a streamlit web app for Job Description Creator , using Streamlit Community for Deployment.

Recruit Nepal — AI-Powered Job Matching Platform

[GitHub](#)

Built custom prompts for ATS (Applicant Tracking System) score analysis, enabling accurate evaluation of resume-job match using AI. Designed prompt workflows to dynamically generate personalized job descriptions based on input keywords, role, and company details

Nepal Constitution Chatbot

[GitHub](#)

Built RAG-based QA system for Nepal's Constitution using PyMuPDF, LangChain, and FAISS. Integrated OpenAI embeddings and GPT-3.5-turbo achieving 85% accuracy rate with robust error handling and secure API management.

PopUp-Vendor to vendor

Developed multi-document chatbot with conversational forms for user information collection. Integrated LangChain with openAI API key for enhanced NLP capabilities and implemented user session management.

Resume Analyzer Parser

[GitHub](#)

Built Streamlit web application for resume-job matching using OCR and Google Gemini API. Achieved 80% accuracy in skills extraction and automated learning resource suggestions for skill gaps.

Job Description Creator

[GitHub](#)

Designed a streamlit application of creating a Job Description using the user input data and result feedback by API key using Gemini API keys.

Face Recognition Attendance System

[GitHub](#)

Developed real-time attendance system using OpenCV for face recognition and MySQL integration. Achieved 95% recognition accuracy with live video processing and database logging capabilities.

Machine Learning Analysis Projects

- **Diabetes Prediction:** K-NN algorithm model with 92% accuracy ([GitHub](#))
- **Wine Quality Analysis:** Random Forest classifier achieving 88% precision ([GitHub](#))
- **IPL 2022 & Netflix Data Analysis:** Comprehensive EDA using Pandas, Matplotlib, NumPy, Seaborn ([GitHub](#))

CERTIFICATIONS

- **Python Programming** – Programiz Pro, 2024
- **NumPy for Data Science** – Programiz Pro, 2024
- **Structured Query Language (SQL)** – Programiz Pro, 2023

ADDITIONAL QUALIFICATIONS

- **Research & Development:** Actively develop ML models based on documentation and case studies with focus on practical implementation
- **Technical Leadership:** Experience mentoring junior developers and leading technical workshops for diverse audiences
- **Continuous Learning:** Stay updated with latest ML/AI trends through research papers and industry best practices
- **Communication:** Strong presentation skills with ability to explain complex technical concepts to non-technical stakeholders