

Harichandra Khatri

✉ nabinkc7878@gmail.com ☎ +977 9840700866 📍 Lalitpur, Nepal 🌐 Nabin Khatri 🔄 Nabin78

Profile

Data enthusiast with a knowledge in SQL, Python, and data visualization. Experienced in data cleaning, analysis, and machine learning, with hands-on projects in healthcare analytics, sentiment analysis, and document retrieval. Proficient in building interactive dashboards, and AI solutions. Passionate about leveraging data-driven insights to solve real-world problems.

Skills

- | | | | |
|-------------------------|-----------|-----------|-------------------|
| • SQL(MySQL/PostgreSQL) | • PowerBI | • Excel | • ML/AI |
| • Python | • Pandas | • Seaborn | • Python(FastAPI) |

Experience

Omdena | Analyzing Healthcare Accessibility in Sudan

Freelance

- Co-led the data collection process to ensure comprehensive coverage of healthcare facilities, services, and resources.
- Cleaned and preprocessed datasets using pandas to enhance accuracy, consistency, and reliability for analysis.
- Conducted exploratory data analysis (EDA) with pandas and seaborn to evaluate healthcare accessibility and identify key trends.

Projects

Multilingual Sentiment Analysis for Nepali

- Fine-tuned XLM-RoBERTa for sentiment analysis in both Roman and Devanagari scripts to enhance multilingual understanding.
- Developed a machine learning pipeline for data preprocessing, model training, evaluation, and inference.
- Optimized large-scale processing with batched analysis and performance tracking for efficiency.

PS4 Game Sales Data Analysis

- Used Excel, SQL, and Power BI to clean and transform sales data, ensuring accuracy and consistency.
- Built interactive dashboards in Power BI, custom visuals, and automated data refresh.
- Analyzed market trends using SQL queries, statistical functions, and Power BI analytics tools.

Vector Store System for Efficient Document Retrieval

- Developed a FastAPI-based vector store using FAISS, LlamaIndex, and OpenAI embeddings for efficient similarity search.
- Optimized retrieval performance with chunking, metadata storage, and lazy loading.
- Improved scalability through refined indexing and memory optimization.

Certificates

- Associate Data Analyst - Datacamp (2025)

Education

Kathmandu University

2020 - 2025

BSc in Computer Science

- CGPA 3.61 (Current Average)