

Nasla Maharjan

Data Analyst | Python • SQL • EDA | AI & ML- Background

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@ <http://www.linkedin.com/in/nasla-m-data> @ <https://naslaa.github.io>

Passionate about turning data into strategic insights for real-world impact. Experienced in building machine learning models, extracting actionable insights, and developing scalable solutions. Proficient in Python, SQL, and big data tools like Hadoop and Spark. Strong foundation in neural networks, clustering, decision trees, and data optimization to support data-driven decisions.

EXPERIENCE

Junior AI Engineer

Lalitpur

Galli Express

Aug, 2024 - Mar, 2025

- Analyzed 360° image data to support visual mapping improvements and accurate data presentation.
- Built a privacy-safe data pipeline using YOLOv8, DeepFace, and OCR to detect and blur sensitive content and extract key text.
- Conducted user demographic analysis to uncover insights that supported targeted engagement and data-driven decisions.
- Managed databases with PgAdmin and generated accurate house coordinates to improve address identification.
- Improved data workflows for faster processing and ensured compliance with privacy regulations.

AI Intern

Lalitpur

Galli Express

Jan, 2024 - Jul, 2024

- Worked with advanced computer vision models, including YOLO, SAM, and Grounding DINO for object detection and segmentation tasks.
- Assisted in implementing model workflows and understanding their integration in real-world applications.
- Labeled and cleaned large datasets to ensure high-quality input for training and evaluation of machine learning models.

EDUCATION

Bachelor of Science in Computer Science and Information Technology

Kathmandu

Prime College, Tribhuvan University

Oct, 2019 - Nov, 2023

- **GIS:** Analyzed geographic data using PostgreSQL
- **MERN Stack:** Built an e-commerce site
- **Data Science:** Visualized Iris dataset
- **Computer Vision:** Worked on spleen segmentation with MONAI

SKILLS

- **Programming:** Python, SQL, R
- **Data Analysis & Visualization:** Pandas, NumPy, Matplotlib, Seaborn, Power BI, Excel
- **Big Data & Tools:** PySpark, Hadoop (conceptual), PgAdmin
- **ML Frameworks:** scikit-learn, TensorFlow, PyTorch
- **Web & APIs:** FastAPI
- **Core Concepts:** Clustering, Decision Trees, Neural Networks, Data Optimization

PROJECTS

Financial Analysis & Chatbot

Extracted key financial data from SEC filings, performed trend analysis using Python, and developed a FastAPI-powered chatbot to support financial analytics and client interaction.

Shopify Sales & Customer Funnel Dashboard (Power BI)

Developed an interactive Power BI dashboard analyzing Shopify sales, customer behavior, and regional performance to drive data-informed business decisions.

Customer Sentiment Analysis

Conducted customer sentiment analysis on British Airways reviews to identify key trends and improve customer experience insights.

TRAINING/CERTIFICATIONS

Generative AI with Large Language Models

DeepLearning.AI

Generative AI Fundamentals: Gained foundational knowledge and practical skills in generative AI, including cutting-edge applications and business use cases.

Supervised Machine Learning: Regression and Classification

DeepLearning.AI and Stanford

Developed supervised ML models (regression, classification) using Python, NumPy, and scikit-learn.

Business Intelligence and Predictive Analytics 101

Udemy

Business Intelligence and Predictive Analytics course focused on data analysis, predictive modeling, and foundational cloud concepts.

Exploratory Data Analysis (EDA)

datacamp

Exploratory Data Analysis in Python, focusing on data cleaning, visualization, and summary statistics.

AWARDS

Best Final Year Project – “TheSilentVoice”

2024

Student of the Batch

Kathmandu, Nepal

Prime College

2024 Awarded for academic excellence, leadership, and outstanding contributions to the academic community.

References available upon request.