Srijan Joshi

Aspiring Machine Learning Practitioner

Kathmandu, Nepal 9840538231 srijanjoshi7@gmail.com

Srijan Joshi
Srijan Joshi

Summary

Aspiring Machine Learning Practitioner with hands-on experience in implementing AI-driven solutions such as recommendation systems, face verification models, and sentiment analysis. Skilled in both theoretical understanding and hands-on project execution, leveraging modern frameworks like TensorFlow, PyTorch, and HuggingFace.

Education

Prime College **2022 - Present**

BSc. Computer Science and Information Technology (CSIT) Undergraduate (Bachelor's Degree)

https://prime.edu.np/

Projects

Face Verification Using Deep Learning **May 2024**

Implemented face verification with a Siamese Neural Network by training the model on a custom dataset of anchor, positive, and negative images to distinguish between the target individual and others.

https://github.com/srijosh/Face-Verification-Deep-Learning-

Siamese Neural Network, TensorFlow, Keras, Computer Vision

Movie Recommender System with Sentiment Analysis **May 2024**

Developed a system suggesting movies based on user preferences and analyzing user sentiments for the selected movie.

https://github.com/srijosh/Movie-Recommendation-System-With-Sentimental-Analysis

Recommendation System, Sentiment Analysis, Flask, TMDB API, BeautifulSoup

Naruto NLP Project **December 2024**

Comprehensive NLP project including chatbot development, text classification, character network visualization, and theme classification based on the Naruto series. Leveraged datasets collected via web scraping and Kaggle.

https://github.com/srijosh/NLP_Series_Analysis

NLP, Chatbot, Transformers, Huggingface, Gradio

Capuchinbird Audio Classification **November 2024**

Classified audio clips to detect the presence of Capuchinbirds using CNNs and spectrogram analysis.

https://github.com/srijosh/Capuchinbird-Audio-Classification-Using-Deep-Learning

Audio Classification, Deep Learning, TensorFlow, Spectrogram Analysis

Skills

Python Programming

Advanced programming skills in Python, focusing on developing AI/ML models and implementing complex algorithms.

Machine Learning & Deep Learning

Experienced in building and deploying supervised, unsupervised, and deep learning models for diverse applications like computer vision, NLP, and audio processing using TensorFlow, PyTorch, and Scikit-learn. Proficient in model evaluation, hyperparameter tuning, and optimization.

Regression, Classification, Clustering, CNN, RNN, Transformers, TensorFlow, PyTorch, Scikit-learn, Keras

Natural Language Processing & Data Analysis

Skilled in NLP tasks such as text classification, sentiment analysis, and chatbot development using tools like HuggingFace and SpaCy. Strong data analysis and visualization capabilities with pandas, NumPy, matplotlib, and seaborn for deriving actionable insights.

NLP, Sentiment Analysis, Text Classification, Chatbots, Transformers, HuggingFace, SpaCy, NLTK, Data Analysis, Visualization, NumPy, pandas, matplotlib, seaborn

AI/ML Tools

Hands-on experience with tools like HuggingFace, LangChain, LangGraph, MLflow, and Airflow for managing machine learning pipelines and workflows.

HuggingFace, LangChain, LangGraph, MLflow, Airflow

Certifications

Mathematics for Machine Learning and Data Science Specialization **September 2023**

DeepLearning.AI (Coursera)

https://coursera.org/share/3b67999f9e1fc58ab9720c1a38ba0eea

Machine Learning Specialization **August 2023**

DeepLearning.AI (Coursera)

https://coursera.org/share/429302b2c5b88cc1cfd43a2802c2572d

Generative AI with LangChain and HuggingFace **December 2024**

Krish Naik (Udemy)

https://www.udemy.com/certificate/UC-2dede5c5-2ab0-41fa-93ab-3dfb46fd248c/

Languages

English

Proficient in written and verbal communication. Used extensively for technical documentation, project collaboration, and presentations.

Nepali

Native language with full proficiency in communication.

Hindi

Functional understanding and communication for conversational purposes.