Kishan Adhikari

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EDUCATION

Institute of Engineering, Thapathali Campus   Thapathali, Kathmandu
Bachelor in Computer Engineering   *May 2021 – May 2025*

Banepa Nist School   Banepa, Kavre
+2 Science   *2019-2021*

EXPERIENCE

Freelancer - Upwork | *Web Scraping and Data Processing*   Dec 2023 – Present
- Built web scrapers to extract data from various websites, including authenticated and CAPTCHA-protected sites.
- Implemented a crawler for the OpenSanctions project using a custom Python ETL framework.
- Stake Crash Alert: Developed a high-performance Playwright-based bot for 24/7 Stake Crash game monitoring with real-time Telegram alerts.

Maskey Consulting | *Software Engineer - AI and LLM (Part-time)*   April 2025 – Present
- Scraped dental blogs from various websites using BeautifulSoup.
- Utilized Gemini API to paraphrase, summarize, and convert content into Markdown format.
- Automated content processing with AWS Lambda triggered by EventBridge schedules.
- Stored generated Markdown files in S3 and integrated them into a Next.js frontend.

PROJECTS

Nepali News Summarizer | *Python, Flask, React, mT5, mBART, Beautiful Soup*   Dec 2023 – March 2024
- Utilized mT5 and mBART models for fine-tuning on a dataset of Nepali news articles.
- Deployed the project using Docker containers.
- Created a web scraper using Beautiful Soup to extract text from Nepali news sites.
- Automated the data gathering process using web scraping techniques with Beautiful Soup and Selenium.

Handwriting Synthesis and Cloning | *BigGAN, Transformer*   May 2024 – May 2025
- Built a generative model using a combination of BigGAN and Transformer for handwriting synthesis and style cloning.
- Collected and cleaned a custom English handwriting dataset for training.
- Trained the model to generate realistic handwritten text and clone writing styles from sample inputs.
- Focused on generating diverse and legible handwriting samples while maintaining stylistic consistency.

SKILLS

Programming Languages: Python
DevOps & Cloud Tools: AWS (Lambda, S3, EventBridge), Docker, Linux
AI & Machine Learning: PyTorch, Retrieval-Augmented Generation (RAG), GAN, OpenCV
Databases: PostgreSQL, MongoDB
Backend: FastAPI, Flask, Django
Data & Other Tools: Pandas, Shell Scripting, Pydantic