

Sanatan Kafle

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Profile

I am a Computer Engineer with interests in Data Science and Web development. I like looking at data, playing around with them and seeing how they react to the magic of Models. Machine Learning, AI and LLMs always keep me on the edge. I have developed end-to-end websites using JS, BE API's and Machine learning components.

EDUCATION

Institute of Engineering, Pulchowk Campus – *Bachelor of Computer Engineering*

Nov 2019 – Apr 2024, Lalitpur, Nepal

- Studied courses like object-oriented programming, Databases, Data structures, Artificial Intelligence, Software Engineering
- Took Applied Data Science as an elective.
- Took part in organizing events like Locus

Projects

Gen AI-based Notes and Question Generation

May 2023 – Mar 2024

- Machine Learning / Gen AI-based project to generate multiple choice questions if the user provides a long text or reading material
- Fine-tuned T-5 base Transformer
- Notes Generation using TFIDF and Text Rank.
- Developed a simple web app using Django for User Interface
- Tools used: Python, Django, git, scikit-learn, pandas, t5-transformer

Used Mobile Price Prediction using Regression

Nov 2022 – Mar 2023

- A Machine learning project that predicts the price of a used mobile phone when age, brand and features are provided
- For training, data was Scraped from online sources and cleaned using different methods
- Used Random Forest Regression Algorithm for prediction
- Developed a simple e-commerce website to implement the project using Django, HTML, CSS and JS

- Tools used: Python, Django, git, scikit-learn, pandas, t5-transformer

COURSES AND CERTIFICATIONS

1. Active in learning via different MOOCS
 - a. Completed Machine learning course by Andrew NG via. Coursera
 - b. Completed Deep Learning course w.r.t to LLM and Generative AI via Deep Learning AI.
2. Active in solving problems on Kaggle
3. Took 2 different courses offered by the Samsung Innovation campus on Programming and AI

Skills

1. Data Science/ Machine Learning: Sklearn, TensorFlow, Pandas, Matplotlib, Seaborn, Numpy
2. Database: Relational db like MySQL with experience in NOSQL db - MongoDB
3. Web Development: JS, CSS, Html, Django, Python

EXPERIENCE

ZX Consultancy | IT Consultant | Designing Logo, Business cards, Letterhead | Providing Guidance in Efficiently Handling MS Office Software.