# 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, Regression, beautifulsoup

## 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.