



DHIRAJ KAFLE

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Gender: Male

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WORK EXPERIENCE

09.2020 – 12.2020 Intern

Dock Tech Nepal Pvt. Ltd, Kathmandu, Nepal

Responsibilities:

- Build `Online Education Platform`
- Implement Notes feature and high security (uses JWT as HTTP Only cookie)

08.2022 – 09.2023 Python Software Developer

Codesheep Technology Pvt. Ltd, Banasthali, Kathmandu, Nepal

Responsibilities:

- Build Ecommerce site with Rest API
- Build `Training Management Site (TMS) for Public Service Commission`

05.2024 – Present Secondary Computer Science Teacher

Gyan Niketan Secondary English School, Shankhamool, Kathmandu, Nepal

Responsibilities:

- Computer Science for Grade- 10 & Grade- 9
- Python, C Programming, DBMS, Number System, Networking.

ACADEMIC QUALIFICATIONS

11.2016 – 12.2020 Bachelor Degree in Computer Science and Information Technology (B.Sc. CSIT)

Trinity International College, Dillibazar Height, Kathmandu, Nepal

<https://www.trinity.edu.np>

08.2013 – 09.2015 Higher Secondary Education Board

Oxford Higher Secondary School, Gaindakot, Nawalparasi, Nepal

<https://www.oxfordcollege.edu.np/>

05.2013 School Leaving Certificate

Vishwa Jyoti English Boarding School, Pragatinagar, Nawalparasi, Nepal

<https://vishwajyoti.edu.np>

TECHNICAL SKILLS

Languages: C, C++, JavaScript, Python, R, Java, SQL

Frameworks: Django, FastAPI, ReactJs, Scikit, Tensorflow

Databases: PostgreSQL, MySQL, MongoDB

Business Intelligence: Power BI, Tableau

Version Control: Git, GitHub, GitLab

Tools & Project Management: Jira, Slack

DevOps: Docker, AWS

PROJECTS

02.2020 – 06.2020 **Movie Recommendation Site (BSc. CSIT Final year project)**

The system is developed using a hybrid collaborative filtering technique (Pearson correlation and cosine similarity algorithms) within Python's Django framework. Leveraging machine learning principles, it enhances the movie-watching experience by offering personalized movie recommendations based on past user behaviors. The core objective is to simplify the process of discovering new movies that align with a user's preferences, utilizing AI-driven algorithms to predict and recommend content they are likely to enjoy.

09.2020 – 12.2020 **Online Education Platform (Internship)**

The system is developed using HTML, CSS, bootstrap, jQuery in the frontend and Django & MySQL database in the backend. This education system enables the students from various school level to access free notes, images and also enables the users/students to directly communicate with tutors. Its main goal is to give quality educational resources to the needy students.

03.2022 – 04.2023 **E-commerce Site with Payment Integration**

The site is designed using HTML, CSS, Bootstrap, ReactJs (hooks for state management) and Django Rest API/Framework in the backend. I also integrated Nepali digital payment system like eSewa and Khalti in the site. It is fully functional ecommerce site for selling various of items such as electronics, clothes/fashion, books etc. I developed this site after my graduation as my freelance project.

01.2024 – 02.2024 **Khaja Express (A freelance project (Final year project))**

KHAJA EXPRESS - 0.1.0-beta (Tech stack: Python, Django, JS, GIT, PostgreSQL, DBeaver, railway, cloudinary etc)

01.2024 – 02.2024 **ELT Data pipeline with DBT, Airflow, Docker & PostgreSQL**

This data pipeline is developed to transmit large excel/csv file data to the database. Docker is used to containerize the application, whereas, Airflow is implemented to streamline & automate complex data workflows.

LANGUAGES

- **English:** Good
- **Nepali:** Native Proficiency