

PRADIP DHUNGANA

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Education

Nepal College of Information Technology

Bachelor's of Engineering in Software Engineering - Final Year

March 2021 – Present

Balkumari, Lalitpur, Nepal

Karunanidhi Education Foundation Secondary School

Physical Science

Aug. 2018 - Nov. 2020

Simpani, Pokhara, Nepal

Experience

Gyansagar Academy

Secondary Level Teacher

Nov. 2020 – July 2021

Hemja, Pokhara, Nepal

- Served as the IT Head of the school, managing and administering the school's website and application to streamline communication and administrative processes.
- Taught subjects including Mathematics, Computer Science, and Occupation Studies, engaging students with interactive lessons and practical applications.
- Implemented and maintained digital tools to enhance learning experiences and facilitate efficient school operations.

TEDxNCIT

Co-Organizer

Balkumari, Lalitpur

03/2024 – Present

- Co-organizing the TEDx event at Nepal College of Information Technology (NCIT), handling various aspects of event planning and execution.
- Ensuring compliance with TEDx licensing and regulations.
- Contributing to website development, speaker selection, curation, and coaching.
- Overseeing overall event management and coordination to ensure a successful event.

TEDxKamal Pokhari

Head of Marketing and Communication

Kamalpokhari

10/2023 – 03/2024

- Led the marketing and communication strategies for TEDxKamal Pokhari, managing the overall team and overseeing sponsorship and partnership efforts.
- Coordinated promotional activities and managed communication channels to enhance event visibility and engagement.
- Supervised event day management and post-production activities to ensure a seamless execution.

Projects

PulsePath – PHP, Composer, Python, OSM, Javascript, MySQL



- Developed a web app to streamline and optimize emergency response operations for ambulance services.
- Implemented secure login functionality to ensure authorized access for ambulance drivers.
- Designed and integrated a user-friendly dashboard with an intuitive interface for real-time navigation.
- Integrated GPS functionality for dynamic route adjustments to plan optimal routes.
- Enabled emergency alert features to send messages and live locations to traffic control and hospitals for swift responses.

FoodFind – React, TypeScript, Vite, SQLite, Django REST Framework



- Developed a web application for discovering and exploring restaurants in Kathmandu Valley.
- Implemented Google Auth for secure login/signup and an Admin Panel for managing restaurants and users.
- Enabled features for users to provide and read reviews, search restaurants by name and location, and save favorites.
- Integrated a map section to show nearby restaurants within a 3km radius and provided search and routing functionalities to find and navigate to restaurants.
- Utilized SQLite for the backend database and Django REST Framework for creating RESTful APIs to support the web application functionalities.

Movie Alchemy – Python, StreamLit, Jupyter Notebook



- Developed a Movie Recommendation System that provides personalized movie suggestions based on the TMDB dataset.
- Implemented recommendation logic using Python and created an interactive frontend with Streamlit.
- Utilized Jupyter Notebook for data analysis, preprocessing, and feature engineering, incorporating data from Kaggle.

Technical Skills

Languages: Python, Java (Intermediate, 1+ years), JavaScript, TypeScript, PHP, C#, C, C++

Libraries/ Frameworks: Django, React, JQuery, Tailwind CSS, Pandas, Numpy, Matplotlib, Scikit-Learn, Tensorflow

Databases: SQL, MySQL, PostgreSQL, NoSQL, MongoDB

Cloud Services: AWS (EC2, Lambda, S3)

Others: Linux, Bash, Git, Docker, Vim

Key Achievements

NCIT Hackfest

- Second Runner up in a 3-day hackathon organized by the Nepal Open Source Klub (NOSK) at NCIT.

Pokhara University Full Scholarship Scholar

- Awarded a full scholarship by Pokhara University for pursuing a degree in Software Engineering.