

Bimarsh Bhusal

Projects ☑

Shikshya Dikshya Scholarship Portal for children in rural Nepal

- Built a web app to raise funds for the education of children in rural Nepal; Built a
 platform for sponsors to track the progress of the awardees with 100% transparency
- Used NextJS / React for the front end and Django / Python for the back end; Built a role based portal for admins, volunteers and sponsors to update data
- · Raised more than 5000 USD and sponsored more than 200 students using the web app

Veggies, The Farmers' App

- Designed a mobile app that detects plant diseases and suggests how to control the disease; Added push notifications to notify users of extreme weather conditions;
- Gathered ML model from Kaggle and updated with images from local farms; Used React Native for front end development and Django for back end
- Collaborated with local farmers to test our app; Presented the app at Yomari Code Camp, Kathmandu University.

Bhetghat, A Food App

- · Designed an Android app for food delivery from my family restaurant
- Developed app using React Native; Used Firebase and NodeJS for Back End and Database; Used GPS to trace users' location that gives the approximate delivery time; Implemented OAuth; Deployed on play store

Quiz Tournament App

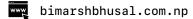
- Built a web app to organize and automate Quiz Tournaments in our school; Built a multiplayer and auto-scoring system
- Used PHP for back end and sockets to maintain a continuous flow of data; Used plain HTML / CSS / JavaScript (ES6+) / Jquery for front-end
- Replaced the old hand-written quiz scoring system. Organized 10 Quiz Tournaments with the web app

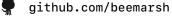
EXPERIENCE

Mobile Application Developer @Plato Academy of Law 다구

Dec 2021 - Nov 2022 // Putalisadak, KTM

- Developed, updated, and deployed an Android app to prepare students for LLB, LLM, BA LLB & Advocate License entrance exams; Developed an admin role to update question sets, schedule mock tests, and verify payments
- Used React Native to develop the mobile app; Used NodeJS and Firebase for the back end; Used Native Modules to integrate payment system; Developed auto-exam scheduling, auto ranking, and teachers review system
- Assisted 200+ students for exam preparation with the app





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Skills

BACK END DEVELOPMENT

NodeJS, Express, Python, Django, Firebase

FRONT END DEVELOPMENT

React, NextJS, Redux, HTML/CSS, MaterialUI, JavaScript ES6+

MOBILE APP DEVELOPMENT

React Native, Android Studio

MISCELLANEOUS

C++, GIT, Google Developers, Facebook Developers, Ubuntu

Certifications

- JavaScript Algorithms and Data Structures r²
- Scientific Computing with Python
- Data Analysis with Python
- Backend Development and APIs
- Front End Development Libraries
- Data Visualization ☐
- Machine Learning with Python

Education

University of Southern Mississippi

Starts from Aug 2023

Shree Shanti Model Secondary School

2017 to Dec 2021 CGPA: 3.80

Awards/Honors

Creatica 2022 Hackathon Winner ☐

Built a messenger chat bot for mental health and disaster relief

Winner: CAN Infotech Nepal Web Design 1st out of 80 participants at state level

Mahatma Gandhi Scholarship Recipient Awarded by Indian Embassy for high school studies