



Bimarsh Bhusal

Projects [↗](#)

Shikshya Dikshya, A 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 multi-player 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 [↗](#)

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 [↗](#)
- Scientific Computing with Python [↗](#)
- Data Analysis with Python [↗](#)
- Backend Development and APIs [↗](#)
- Front End Development Libraries [↗](#)
- Responsive Web Design [↗](#)
- 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