Bimarsh Bhusal

Tech enthusiast – Designer/Developer

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RELEVANT EXPERIENCE

Developer @Plato Academy of Law
Dec 2021 – Present // Putalisadak, KTM

▷ Designed an android app that helps prepare students for LLB, LLM, BA LLB & Advocate License entrance exams. Later, sold the app which had 200+ active users to Plato Academy and started working here.

▷ Communicate and collaborate with multi-disciplinary teams of advocates, lawyers, students, and stakeholders on a daily basis.

▷ Designed a mobile system to take mock tests virtually from home, automatic marks sheet generator and platform to connect students with professors and advocates.

Technical Lead @Nepal Table Soccer Association
Feb 2022 – Present // Thhachal, KTM

▷ Designed web app & database to keep track of players' fitness to prepare them for world championships.

▷ Worked with professors, physiotherapists, doctors and various sponsors to organize national & international FUSBAL tournaments.

▷ Raised funds from International Table Soccer Federation(ITSF) with an aim of 100 tables in 100 community schools.

Founder & President @The Ideal Creators
June 2017 – Apr 2021 // Manigram, Butwal

▷ Conducted a 3-month survey on Demo phobia in 50+ community schools of our district, initiated a month-long campaign and workshop to mitigate mass phobia, and presented the report at The National Conference of Student Quality Circles (NCSQC).

▷ Organized door-to-door campaigns

Student Leader @International School Awards- British Council
May 2018 – Mar 2021 // Manigram, Butwal

▷ Collaborated with local clubs to organize rallies, awareness campaigns and drama on sanitation, drug abuse and importance of education in the streets.

▷ Virtually collaborated our schools' students with students from Africa & South Asia and shared documentaries and presentations of our surveys and campaigns.

▷ Researched and published a documentary on life cycle of Honey Bee on Youtube (800K+ Views)

Featured Projects

Bhetghat App @Bhetghat Family Restaurant
Available on Playstore

▷ Released android app that trace users location using GPS and estimate cost & time for delivery of dish from the menu of my family business.

Veggies @The Farmers' App

▷ Designed ML models to identify plant diseases and suggest crops based on location, PH of soil & time of the year.

▷ Developed a messenger bot to promote a direct relationship between customers and farmers.

▷ Developed a system to alert farmer on any upcoming weather changes.

▷ Collaborated and raised funds from local municipality to experiment with local farmers & collect data.

Quiz Tournament App @Shree Shanti Namuna Secondary School

▷ Built a web-app to organize and automate Quiz Tournaments in our school replacing the old hand-written scoring system. Later, organized a 3 day workshop to coach staffs on using the app and handed over the system to the school committee.

SKILLS

Programming Languages
Javascript(ES6+),HTML/CSS, Node.js, Python, PHP, GraphQL, Typescript

Libraries and frameworks
React, Gatsby, JQuery, Express, React Native, Django, TensorFlow

Tools and platforms
Git, Netlify, Heroku, WordPress, Docker, Firebase, Google Cloud, Facebook Developers, Kaggle, Android Studio

Education

Shree Shanti Namuna Secondary School
2017 to Dec 2021

12th GPA: 3.5
111th GPA: 3.92
10th (SEE) GPA: 3.75

Awards/Honors

Winner: Creatica 2022
New York based Hackathon
463 International Participants

Built Gunaso, an AI-powered bot to provide services for mental health, disaster relief, and violence prevention.

Best Web Designer: CAN Infotech
1st out of 80 participants from all over Nepal

1st Runner up- Collaborative Football
Teams from more than 250 schools participated.

Certifications

Machine Learning with Python
Developed ML models: Rock Paper Scissors, Cat and Dog Image Classifier, Book Recommendation Engine using KNNLinear Regression, Health Costs Calculator, and Neural Network SMS Text Classifier.

JavaScript Algorithms And Data Structures
Developed Palindrome Checker, Roman Numeral Converter, Caesars Cipher, Telephone Number Validator & Cash Register.

Scientific Computing with Python
Developed Arithmetic Formatter, Time Calculator, Budget App, Polygon Area Calculator & Probability Calculator.

Data Visualization
Designed Bar Chart, Scatterplot Graph, Heat Map, Choropleth Map & Tree Map Diagram.

Data Analysis with Python
Developed Mean-Variance-Standard Deviation Calculator, Demographic Data Analyzer, Medical Data Visualizer, Sea Level Predictor, and Page View Time Series Visualizer.

Other Noteworthy Projects

Bansaz

▷ Built a web-app to trace the history of a clan or dig deeper into family history.

Visit Nepal 2020

▷ Designed a web based system to promote Nepal Government's Visit Nepal 2020 initiative to promote tourism.

Clubs // Volunteering

President @Shanti Youth Club

Sep 2017 – Dec 2020 // Manigram, Butwal

▷ Raised funds from the school to help patients with minimum income pay for treatment.

▷ Organized & supervised cleanliness campaigns around the school community and raised funds and bought sanitation commodities for every classrooms.

Secretary @Stem Academia Council

Sep 2021 – Present // Tilottama,Rupandehi

▷ Organized workshops in 50+ community schools about Cyber Security, Programming, Physics, Astronomy, and Mathematics to junior middle and jr. high school students.

▷ Organized a 3 days comprehensive bootcamp on Raspberry PI, Linux & Programming to high school juniors.

Backend Development and APIs

Developed Timestamp Microservice, Request Header Parser, URL Shortener, Exercise Tracker, and File Metadata Microservice.

Front End Development Libraries

Designed Random Quote Machine, MD Previewer, Drum Machine, JS Calculator, and 25+5 clock.

Responsive Web Design

Designed Survey Form, Tribute Page, Technical Documentation Page, Product Landing Page, and Personal Portfolio.

Interests

Hiking, Reading Books of Law & Justice, Swimming, Travelling

References

Sulav Kharel

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Dr. Rashila Pradhan

General Physician | Executive Member of International Table Soccer Federation (ITSF)
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