





# 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 Foosball 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).

### 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 & farmers and a system to alert farmer on any upcoming weather changes.
- Collaborated and raised funds from local municipality to experiment with local farmers & presented in the Yomari Code Camp at Kathmandu University.

### 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

11th 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.

### Mahatma Gandhi Scholarship Recipient

Received highly competitive scholarship granted by Indian Embassy for high school studies

### The Coding School: Full Scholarship Recipient

Received full scholarship from IBM for Introduction to Quantum Computing Course

### Student of The Year 2019 & 2021

### School Captain 2018 & 2019

## 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.

## 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.

### Book Recommendation Engine using KNN

- Designed a model to create a book recommendation algorithm using K-Nearest Neighbors. Used the Book-Crossings dataset that contains 1.1 million ratings (scale of 1-10) of 270,000 books by 90,000 users.

### Sea Level Predictor

- Analyze a dataset of the global average sea level change since 1880 and use the data to predict the sea level change through year 2050.

### Demographic Data Analyzer

- Analyze demographic data using Pandas from a dataset of demographic data that was extracted from the 1994 Census database.

[Click here for more projects...](#)

## 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.

### 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.

### 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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Director of Plato Academy of Law  
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### Dr. Rashila Pradhan

General Physician  
Executive Member of International Table Soccer Federation (ITSF)  
President of Nepal Table Foosball Association  
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