
Rabindra Man Bajracharya

manrabindra@gmail.com

<https://github.com/initialrise>

<https://rmb.info.np>

EXPERIENCE

PMSquare | Intern | Full Stack

April 2024 - Present

- Currently doing intern as a full stack developer at PMSquare using tech-stacks like React, Tailwind, AWS, NodeJS etc.

PROJECTS

BrahmaShiksha | Full Stack | E-learning Platform | [Github](#)

- Allows a user to register/login, view courses, checkout courses, purchase courses and view videos of the enrolled courses.
- Uses PHP(Backend), HTML, CSS, JS (Frontend), MySQL(Database)
- E-Sewa Payment Gateway integrated for purchasing course
- Analytics and course/video addition in Admin Panel

StreamSurf | Full Stack | Live Streamer Program | [Github](#)

- Allows a user to select and share his screen feed and directly stream to Youtube
- Uses Express(Backend), MongoDB(Database) and FFMPEG as dependency
- Spawns child process of ffmpeg that receives feed from frontend(browser)
- Use of socket.io to send feed from frontend to backend

WeConnect | Full Stack | Social Media Platform | [Github](#)

- Allows a user to register/login, join threads, make posts, job posts and read notices.
- Uses ASP.NET Core MVC, C#, Microsoft SQL Server
- Makes use of ORM via EFCore to perform database operations
- Fetches thread notices from external API

Aparichit(Hamro Metro) | Backend | E-Governance Platform | [Github](#)

- Allows a user to register/login, upload corruption videos, add suggestions, make help posts and view notices.
- Uses PHP(Backend), HTML, CSS, JS (Frontend), MySQL(Database)
- Allows anonymous upload of videos to protect user identity
- Fetches notices from external API (Kathmandu Metropolitan API)

Third Vision | Backend | Object Detection Webapp | [Github](#)

-
- Allows a user to take picture and receive information about the objects detected in the image.
 - Uses Python, OpenCV(Backend), HTML, CSS, JS (Frontend)
 - Implements YOLOV4 for object detection and classification
 - Dictates objects detected via Google Text to Speech

Canteen Ordering System | Fullstack| Food Ordering Platform | [Github](#)

- Allows a user to login, view menu, add food items to cart and checkout cart.
- Uses ReactJS, React Router, HTML, CSS
- Uses ExpressJS in the backend with MongoDB as database

SKILLS SUMMARY

Languages

- HTML, CSS, JavaScript, PHP, SQL, Bash, Python, C#, Java

Frameworks and Tools

- ReactJS, React Router, NodeJS, Express, Mongoose, FastAPI(Basics)
- Git, Docker, AWS EC2, Azure VM, BurpSuite, Cloudflare, Figma, Markdown, VIM, VsCode

EDUCATION

Asian School of Management and Technology, Gongabu, Kathmandu

Bachelors in Computer Science and Information Technology (CSIT)

OCTOBER 2019 - PRESENT

Currently studying in Eight semester

AWARDS

- 2nd Runner Up in Asian Hackathon 2022
- Best Writeup in Sagarmatha Hacktoberfest CTF 2020

ACKNOWLEDGEMENTS

- Acknowledged by [Nokia](#) for responsible disclosure of security vulnerability
- Acknowledged by [BASF](#) for responsible disclosure of security vulnerability
- Acknowledged by [US Department of Defense](#) for responsible disclosure of security vulnerability (**Researcher of the Month** for March 2024)
- Acknowledged by [SIDN](#) for responsible disclosure of security bug
- Acknowledged by [Dutch Government](#) for responsible disclosure of security vulnerability

