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PROJECTS

BrahmaShiksya | **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 foot 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
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- Acknowledged by SIDN for responsible disclosure of security bug
- Acknowledged by Dutch Government for responsible disclosure of security vulnerability