SAMIP LAMSAL

COMPUTER SCIENCE STUDENT

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EDUCATION

Uniglobe HSS

10 + 2

2018-2021

3.65 GPA (A+)

Tribhuvan University

Amrit Science Campus

BSc. Computer Science & IT

2021-2025

SOCIALS

GitHub: /lamsalsamip1

LinkedIn: /lamsalsamip1

YouTube: /sl7tech

PROJECTS

Clean Cam (DeerHack 2023 Winner)   May 2023

React | PostgreSQL | Flask | ultralytics (YOLOv8) | openCV

Group project by Team Contrivers at DeerHack 2023. An object detection based littering detection system used to find the guilty of littering in public places and alerting the concerned authorities through the use of CCTV footages. I worked on the detection algorithm, integration of frontend-backend and planning of the entire project.

Federal Election 2079 Web App   Nov 2022

Tailwind | React | Django | Beautiful Soup | PostgreSQL

A group project involving two people to make the federal & provincial election web app and API. My friend wrote the API and I wrote the web app in react, and the scraper in python to update the API data live from ekantipur website.

Nepali handwritten digit recognition   Jan 2023

Python | NumPy | Tensorflow | Streamlit

A nepali handwritten digit classifier based on neural networks to identify digits from 0-9, deployed using Streamlit.

Property Scraper Bot   Aug 2022

Python | Beautiful Soup | Selenium

A scraper app developed in python with the use of Beautiful Soup and Selenium to scrape year built data of US based properties from 5 different websites.

NEB Exam Preparation Apps   May 2020

HTML | SCSS | JavaScript | Apache Cordova

Two mobile apps containing all summaries and question answers of English and Nepali curriculum of NEB +2. Both have over 5000 downloads in the Google Play Store.

More projects in my GitHub

SKILLS

Languages

HTML, CSS, JavaScript, C, C++, Python, SQL

Libaries/Frameworks

Tailwind, React, Beautiful Soup, Selenium, Pandas, NumPy, Matplotlib,openpyxl, FastAPI,Flask, Tensorflow, Scikit Learn, ultralytics,streamlit

Version Control

Git and GitHub

CERTIFICATION

React Basics	Coursera
Version Control	Coursera
Introduction to Database	Coursera
Supervised Machine Learning	Coursera
Advanced Learning Algorithms	Coursera
Unsupervised Learning, Recommenders, Reinforcement Learning	Coursera

ACHIEVEMENTS

DeerHack Winner   May 2023

Led my team 'Contrivers' to victory at DeerHack 2023, a nationwide hackathon organized by Deerwalk Institute of Technology. We developed a YOLO based object detection application to detect people littering through CCTV footages and alert the concerned authorities. More details on [Devfolio.](#)

Codebrisk Hackathon Finalist   Feb 2023

Represented my college Amrit Science Campus and reached the top 3 final round of Codebrisk Hackathon organized at 3850m altitude by Herald College. Developed a prototype mobile app 'Prawas' with ride sharing and hotel recommender features for travel and accommodation to Kuri Village in 24 hours with three other teammates.

Vertex Hacks   Jan 2023

Selected as one of 20 out of 150+ teams to participate in Vertex Hacks, a 48 hour hackathon at NATHM college, organized by IOE Thapathali Campus. Developed a prototype 'Doctor Sahab', an AI powered online doctor solution in 48 hours with three other teammates.

EXTRAS

'Sl7 Tech' YouTube channel

I have a tech YouTube channel with over 8000 subscribers and over 4 million views where I upload tutorials relating to tech in general, programming and gaming videos.

COMMUNITY

Microsoft Learn Student Ambassador   July 2023 - present

Microsoft

As a learn student ambassador of Microsoft, I am responsible for engaging with my local tech community and organizing events through resources provided by Microsoft and utilizing the digital tools given to me for my own growth.

Student Ambassador   Apr 2023 - May 2023

NAAMII-NepAl Applied Mathematics and Informatics Institute for research

I was one of the student ambassadors for the 4th annual NAAMII AI School 2023. As a student ambassador, I was responsible for promoting the event in my college and facilitating as a bridge between the organizers and the participants to answer their queries and volunteer for the event.

Executive Member   Mar 2023 - present

Open Source Ascol Circle

I am one of the executive members of the Open Source community in my college, OSAC. As an executive member, I take part in discussions to host different types of events and take the club forward. I am specifically involved in the Python and Web development domain. I have also tutored juniors during events on various occasions.