Samip Lamsal

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EDUCATION

Amrit Science Campus, Tribhuvan University　　　　　　　　　　Kathmandu, NP
Bachelor of Science in Computer Science & Information Technology
81.6% avg (Ongoing)　　　　　　　　　　　　　　　　　　　　　　　2021-2025

Uniglobe HSS　　　　　　　　　　　　　　　　　　　　　　　　Kathmandu, NP
Higher Secondary School
3.65 GPA, A+　　　　　　　　　　　　　　　　　　　　　　　　　　　2018-2021

Meridian International School　　　　　　　　　　　　　　　　Kathmandu, NP
Secondary School
3.75 GPA, A+　　　　　　　　　　　　　　　　　　　　　　　　　　　2008-2018

EXPERIENCE

Student Partner　　　　　　　　　　　　　　　　　　　March. 2024 – Present
Leapfrog Technology　　　　　　　　　　　　　　　　　　　　　　Kathmandu,NP
- Selected as one of 20 Leapfrog Student Partners for batch 2024, out of more than 600 participants.
- Receive mentorship from Leapfrog Technology to bridge the gap between academia and industry.
- Engaging with other student partners to lead tech communities.

Campus Director　　　　　　　　　　　　　　　　　　　Oct. 2023 – Present
Hult Prize Foundation　　　　　　　　　　　　　　　　　　　　　Kathmandu,NP
- Inaugural campus director of Hult Prize at Amrit Science Campus, appointed by the Hult Prize Foundation.
- Led a team of 18 organizing committee members for Hult Prize OnCampus program.
- Successfully organized a total of 4 pre-events and one Grand Finale, biggest event in recent history of Amrit Science Campus.

Technical Consultant (Web Development)　　　　　　Aug. 2023 – Sep. 2023
Gadgetbyte Nepal Pvt. Ltd　　　　　　　　　　　　　　　　　　Kathmandu,NP
- Troubleshooted REST API that linked affiliate marketing products from Daraz
- Fixed the Google API configuration and rewrote code in Python using the Sheets API

Microsoft Learn Student Ambassador　　　　　　　　　Aug. 2023 - Present
Microsoft　　　　　　　　　　　　　　　　　　　　　　　　　　Kathmandu,NP
- Connect with peers within and beyond my campus to organize and attend events.
- Completed various Microsoft Learn challenge

Student Ambassador　　　　　　　　　　　　　　　　　Apr. 2023 – May. 2023
NAAMII - NepAl Applied Mathematics and Informatics Institute for research　　Kathmandu,NP
- Selected as student ambassador for the fourth annual NAAMII AI School
- Served as a crucial link connecting interested students with NAAMII.

Executive Member　　　　　　　　　　　　　　　　　　Mar. 2023 – Present
OSAC – Open Source ASCOL Circle　　　　　　　　　　　　　　Kathmandu,NP
- Plan club activities and organize events.

Founder　　　　　　　　　　　　　　　　　　　　　　Oct. 2015 – Present
SL7 Tech, YouTube　　　　　　　　　　　　　　　　　　　　　Kathmandu,NP
- More than 8700 subscribers and 4 million views.
- Upload gadget reviews, tutorials, error fixes, gaming videos, programming tutorials.

PROJECTS

CleanCam | Flask, React, PostgreSQL, OpenCV, YOLO
- 'DeerHack 2023' Overall Winner
- Developed a full-stack web application using Flask serving a REST API with React as the frontend.
- Used OpenCV and YOLOv8 for object detection of waste intruders.

NEB Exam Preparation Apps | Html, SCSS, JavaScript, Apache Cordova
  - Published two android apps, 'Heritage of Words Summary' and 'Sabaiko Nepali: NEB Summary' in Google Play Store
  - Apps contained easy to read summaries and question answers important for exam preparation.
  - Apps have more than 10,000 downloads combined with good ratings.

Federal Election 2079 Web App | React, Django, BeautifulSoup, PostgreSQL
  - Developed a free to use live updating API with vote count data of Kathmandu and popular constituencies.
  - Wrote scraper in Python to scrape data from eKantipur and onlinekhabar.
  - Showed implementation through web app in React.

Nepali Handwritten Digit Recognition | Python, NumPy, TensorFlow, Streamlit
  - Nepali handwritten digits 0-9 based on Convolutional Neural Networks
  - Neural Network trained in TensorFlow.
  - Deployed using Streamlit

Prawas | React, FastAPI, PostgreSQL, NLTK, Apache Cordova
  - 'Codebrisk' Finalist
  - Developed a full-stack android app using FastAPI serving a REST API with React as the frontend.
  - Implemented hotel recommender system through NLTK.

Property Data Scraper Bot | Python, Selenium, BeautifulSoup
  - Developed a web scraping bot to scrape US based property data from more than 5 websites.
  - Used by my brother and entire Civil Engineering team at Verisk.

AI Covid Predictor | Python, NumPy, TensorFlow, Streamlit
  - Developed a model to predict the probability of a person having COVID based on 20+ symptoms.
  - Used Neural Networks in TensorFlow to create the model, and deployed the application in Streamlit

TECHNICAL SKILLS

Languages: Python, C/C++, SQL, JavaScript, HTML/CSS
Frameworks: React, Tailwind, Flask, Django, FastAPI
Developer Tools: Git, Google Cloud Platform, VS Code, PyCharm, Google Colab
Libraries: Selenium, Beautiful Soup, TensorFlow, Scikit-Learn, OpenCV, ultralytics, pandas, NumPy, Matplotlib

ACHIEVEMENTS

'DeerHack 2023' Overall Winner   May 2023
  - Team lead of 'Contrivers' at DeerHack 2023, a 48 hour nationwide hackathon at DWIT
  - Developed 'CleanCam', a system for live detection of littering through CCTV footage

'CodeBrisk' Finalist   Feb 2023
  - Team lead of Amrit Science Campus
  - Became top 3 finalists and went to Kuri Village for 24-hour hackathon.

'Vertex Hacks' Participant   Jan 2023
  - Team lead of 'Contrivers'
  - Selected as one of 20 teams out of 150+ teams from all over the country.

CERTIFICATION

  - **React Basics,** Coursera.
  - **Version Control,** Coursera
  - **Introduction to Databases for Backend Development,** Coursera
  - **Django Web Framework,** Coursera
  - **Machine Learning Specialization,** Coursera