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

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
NAAMII - NepAl Applied Mathematics and Informatics Institute for research   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

PROJECTS

CleanCam | Flask, React, PostgreSQL, OpenCV, YOLO   May 2023
- '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

Nepali Handwritten Digit Recognition | Python, NumPy, TensorFlow, Streamlit   Apr 2023
- 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   Nov 2022
- '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

Federal Election 2079 Web App | React, Django, BeautifulSoup, PostgreSQL   Nov 2022
- 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

Property Data Scraper Bot | Python, Selenium, BeautifulSoup   Oct 2022
- 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

NEB Exam Preparation Apps | Html, SCSS, JavaScript, Apache Cordova   May 2020
- 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

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

ADDITONAL INFORMATION

'Sl7 Tech' YouTube Channel   Oct. 2015 - Present
- More than 8500 subscribers and 4 million views
- Content related to gaming, programming, general tutorials, troubleshooting errors.