Samip Lamsal

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PROFESSIONAL SUMMARY

A driven and passionate final year Computer Science student dedicated to solving real-world problems using the latest technologies. Skilled in Artificial Intelligence and Web Development, with hands-on experience from top IT companies in Nepal, including Fusemachines and Leapfrog Technology, as well as international organizations like Microsoft and the Hult Prize Foundation. Proven leadership in managing projects, leading committees, and organizing events, showcasing a strong ability to drive initiatives and collaborate with diverse teams. Also, actively sharing tutorials on latest technologies in my YouTube channel 'SL7 Tech'.

EDUCATION

Amrit Science Campus, Tribhuvan University   Kathmandu, NP
Bachelor of Science in Computer Science & Information Technology
80.36% (Ongoing)   2021-2025

Uniglobe HSS | SLC   Kathmandu, NP
3.65 GPA, A+   2018-2021

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

EXPERIENCE

Huawei Seeds for the Future 2024   June. 2024 - July 2024
Huawei Technologies   Kathmandu,NP

- Selected for local round of Seeds for the Future program.
- Did courses on AI, 5G, Digital Power, Cloud Computing provided by Seeds Academy.
- Attended AI Ethics workshop and discussion at UNESCO office in Kathmandu.

AI Fellow   March. 2024 – Present
Fusemachines   Kathmandu,NP

- Selected among top 200 AI Fellows from 2000+ applicants.
- Did courses and projects related to Machine Learning, Deep learning, NLP, Generative AI.

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 applicants.
- Receiving mentorship from Leapfrog Technology to bridge the gap between academia and industry.
- Engaging with other student partners to lead tech communities and organizing sessions.

Campus Director   Oct. 2023 – June 2024
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.

Microsoft Learn Student Ambassador | Level Beta   Aug. 2023 - Present
Microsoft   Kathmandu,NP

- Organizing workshops and events in both local & global community with resources from Microsoft.

Technical Consultant (Web Development)   Aug. 2023 – Sep. 2023
Gadgetbyte Nepal   Kathmandu,NP

- Troubleshooted REST API that linked affiliate marketing products from Daraz
- Fixed the Google API configuration and rewrote code in Python using the Google Sheets API.

Executive Member   Mar. 2023 – Present
OSAC – Open Source ASCOL Circle   Kathmandu,NP

- Planned club activities and organized events sand workshops in Amrit Science Campus.

Founder   Oct. 2015 – Present
SL7 Tech   Kathmandu,NP
- More than 9000 subscribers and 4.5 million views on YouTube.
- Upload tech & programming tutorials, gadget reviews, gaming videos.

PROJECTS

CleanCam | **DeerHack 2023 Overall Winner** | Flask, React JS, PostgreSQL, OpenCV, YOLO
- Fine-tuned YOLOv8 model, combined with a custom algorithm for AI based detection of littering through CCTV footage.
- Developed a full-stack web application using Flask serving a REST API with React as the frontend.

Lumi - AI Chatbot for Higher Education | Langchain, Ollama, ChromaDB, Flask
- Developed a chatbot to give information about undergraduate level courses and colleges in Nepal.
- Implemented RAG using ChromaDB and Llama 3.2:1B model.
- Project was a part of Leapfrog Student Partnership Program, done under the mentorship of engineers at Leapfrog.

Nepali Document Record Management System | PyTesseract, OpenCV, PyTorch
- An OCR system for digiting Nepali documents and a document classification model.
- Fine Tuned Tesseract 5 on custom data, and trained Bi-LSTM classifier from scratch.
- Project was a part of AI Fellowship Program, done under the mentorship of engineers at Fusemachines.

NEB Exam Preparation Apps | **10,000 Downloads in Google Play Store |** 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 Grade 12 exam preparation.

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

More projects on my [GitHub profile](#)

SKILLS

Programming Languages: Python, C/C++, C#, SQL, JavaScript, HTML/CSS
Domains: Machine Learning, Deep Learning, NLP, Computer Vision, LLMs, Web Scraping, Web Dev, Version Control
Soft Skills: Leadership, Organization, Problem Solving, Creativity, Communication, Teamwork, Adaptability, Event Management

ACHIEVEMENTS

'DeerHack 2023' Overall Winner   May 2023
- Team lead of 'Contrivers' at DeerHack 2023, a nationwide hackathon at Deerwalk Institute of Technology.
- Developed 'CleanCam', a system for AI enabled live detection of littering through CCTV footage.

'CodeBrisk' Finalist   Feb 2023
- Team lead of Amrit Science Campus at intercollege hackathon Codebrisk organized by Herald College.
- Became top 3 finalists and went to Kuri Village for 24-hour hackathon.

CERTIFICATIONS

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

CONFERENCES

Hult Prize Global Summit 2024
Chulalongkorn University, Bangkok, Thailand   June 2024
- Represented Amrit Science Campus, attended workshops, watched pitches of emerging startups and collaborated with global campus directors.

GitHub Field Day 2024
Bhaktapur, Nepal   Nov 2024
- Selected as one of 50 student leaders to attend the event out of 300+ applicants from all over Nepal.
- Had group discussions with other student leaders on issues affecting student led tech communities in Nepal.