

# Samip Lamsal

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## EDUCATION

<b>Amrit Science Campus, Tribhuvan University</b> Bachelor of Science in Computer Science & Information Technology 81.6% avg (Ongoing)	Kathmandu, NP  2021-2025
<b>Uniglobe HSS</b> Higher Secondary School 3.65 GPA, A+	Kathmandu, NP  2018-2021
<b>Meridian International School</b> Secondary School 3.75 GPA, A+	Kathmandu, NP  2008-2018

## EXPERIENCE

<b>Campus Director</b> Hult Prize Foundation <ul style="list-style-type: none"><li>Inaugural campus director of Hult Prize at Amrit Science Campus</li><li>Leading a team of 19 organizing committee members for Hult Prize OnCampus program</li></ul>	Oct. 2023 – Present Kathmandu, NP
<b>Technical Consultant (Web Development)</b> Gadgetbyte Nepal Pvt. Ltd <ul style="list-style-type: none"><li>Troubleshooted REST API that linked affiliate marketing products from Daraz</li><li>Fixed the Google API configuration and rewrote code in Python using the Sheets API</li></ul>	Aug. 2023 – Sep. 2023 Kathmandu, NP
<b>Microsoft Learn Student Ambassador</b> Microsoft <ul style="list-style-type: none"><li>Connect with peers within and beyond my campus to organize and attend events</li><li>Completed various Microsoft Learn challenge</li></ul>	Aug. 2023 - Present Kathmandu, NP
<b>Student Ambassador</b> NAAMII - Nepal Applied Mathematics and Informatics Institute for research <ul style="list-style-type: none"><li>Selected as student ambassador for the fourth annual NAAMII AI School</li><li>Served as a crucial link connecting interested students with NAAMII</li></ul>	Apr. 2023 – May. 2023 Kathmandu, NP
<b>Executive Member</b> OSAC – Open Source ASCOL Circle <ul style="list-style-type: none"><li>Plan club activities and organize events</li></ul>	Mar. 2023 – Present Kathmandu, NP

## PROJECTS

<b>CleanCam</b>   Flask, React, PostgreSQL, OpenCV, YOLO <ul style="list-style-type: none"><li>'DeerHack 2023' Overall Winner</li><li>Developed a full-stack web application using Flask serving a REST API with React as the frontend</li><li>Used OpenCV and YOLOv8 for object detection of waste intruders</li></ul>	May 2023
<b>Nepali Handwritten Digit Recognition</b>   Python, NumPy, TensorFlow, Streamlit <ul style="list-style-type: none"><li>Nepali handwritten digits 0-9 based on Convolutional Neural Networks</li><li>Neural Network trained in TensorFlow</li><li>Deployed using Streamlit</li></ul>	Apr 2023

<b>Prawas</b>   React, FastAPI, PostgreSQL, NLTK, Apache Cordova	Nov 2022
<ul style="list-style-type: none"> <li>• ‘Codebrisk’ Finalist</li> <li>• Developed a full-stack android app using FastAPI serving a REST API with React as the frontend</li> <li>• Implemented hotel recommender system through NLTK</li> </ul>	
<b>Federal Election 2079 Web App</b>   React, Django, BeautifulSoup, PostgreSQL	Nov 2022
<ul style="list-style-type: none"> <li>• Developed a free to use live updating API with vote count data of Kathmandu and popular constituencies</li> <li>• Wrote scraper in Python to scrape data from eKantipur and onlinekhabar.</li> <li>• Showed implementation through web app in React</li> </ul>	
<b>Property Data Scraper Bot</b>   Python, Selenium, BeautifulSoup	Oct 2022
<ul style="list-style-type: none"> <li>• Developed a web scraping bot to scrape US based property data from more than 5 websites</li> <li>• Used by my brother and entire Civil Engineering team at Verisk</li> </ul>	
<b>NEB Exam Preparation Apps</b>   Html, SCSS, JavaScript, Apache Cordova	May 2020
<ul style="list-style-type: none"> <li>• Published two android apps, ‘Heritage of Words Summary’ and ‘Sabaiko Nepali: NEB Summary’ in Google Play Store</li> <li>• Apps contained easy to read summaries and question answers important for exam preparation.</li> <li>• Apps have more than 10,000 downloads combined with good ratings</li> </ul>	

## TECHNICAL SKILLS

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**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, BeautifulSoup, TensorFlow, Scikit-Learn, OpenCV, ultralytics, pandas, NumPy, Matplotlib

## ACHIEVEMENTS

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<b>‘DeerHack 2023’ Overall Winner</b>	May 2023
<ul style="list-style-type: none"> <li>• Team lead of ‘Contrivers’ at DeerHack 2023, a 48 hour nationwide hackathon at DWIT</li> <li>• Developed ‘CleanCam’, a system for live detection of littering through CCTV footage</li> </ul>	
<b>‘CodeBrisk’ Finalist</b>	Feb 2023
<ul style="list-style-type: none"> <li>• Team lead of Amrit Science Campus</li> <li>• Became top 3 finalists and went to Kuri Village for 24-hour hackathon.</li> </ul>	
<b>‘Vertex Hacks’ Participant</b>	Jan 2023
<ul style="list-style-type: none"> <li>• Team lead of ‘Contrivers’</li> <li>• Selected as one of 20 teams out of 150+ teams from all over the country</li> </ul>	

## CERTIFICATION

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

## ADDITONAL INFORMATION

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<b>‘Sl7 Tech’ YouTube Channel</b>	Oct. 2015 - Present
<ul style="list-style-type: none"> <li>• More than 8500 subscribers and 4 million views</li> <li>• Content related to gaming, programming, general tutorials, troubleshooting errors.</li> </ul>	