

SAMRIDHA SHRESTHA

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SUMMARY

A Computer Engineering Student. I consider myself an enthusiastic and self-motivated person eager to bring my skills to fruition. I look forward to my first work experience.

EDUCATION

ADVANCED COLLEGE OF ENGINEERING

AND MANAGEMENT (T.U AFFILIATED) Kalanki, Kathmandu

Bachelor in Computer Engineering 2021-Present

Relevant Coursework: Data Mining, Software Engineering; Data Structure and Algorithms; Artificial Intelligence

ST. XAVIER'S COLLEGE Maitighar, Kathmandu

Plus Two 2019-2021

UNIVERSITY PROJECTS

AUTOMATED LANDFILL SITE

SUITABILITY MAPPING USING DEEP LEARNING 2025-Present

- A landfill site suitability map of Kathmandu valley and its neighboring districts is generated using automated deep learning models like Unet, ResUnet and DeeplabV3.

FLOOD SUSCEPTIBILITY MAPPING OF

KATHMANDU VALLEY USING DEEP LEARNING 2024-2025

- A deep learning approach for risk assessment and flood susceptibility mapping due to urban fluvial floods in Kathmandu Valley using CNN and RF.

FIGHTING GAME 2023

- Designed a tekken like fighting game made using pygame.

CERTIFICATIONS AND COURSES

PYTHON WITH DATA SCIENCE 2024

- A workshop on introducing python programming language with its data manipulation techniques using libraries like pandas, numpy and so on.

FIGMA WORKSHOP 2023

- A basic introductory workshop on figma and vectored images and their manipulation.

SKILLS

Technical Skills: Python, Jupyter Notebook, C, C++, QGIS, SQL, UML, Figma

Soft Skills: Problem Solving, Teamwork, Time Management