

# SAMRIDHA SHRESTHA

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| [github.com/Nitride27](https://github.com/Nitride27) | Portfolio: [samridhashrestha.com.np](https://samridhashrestha.com.np) |

## SUMMARY

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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

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### 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

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### 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

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### 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

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

**Soft Skills:** Problem Solving, Teamwork, Time Management