

Sagar Thakur

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EDUCATION

Mahendra Morang Adarsh Multiple Campus (Tribhuvan University)

Biratnagar, Nepal

Bachelor of Science [Bachelor in Information Technology]

Sept 2025 (Expected)

Relevant Coursework: Mobile Application Development, Computer Architecture, Introduction to Data Science, Cross-Platform Development, Web Development, Artificial Intelligence, Database Administration, Networking

PROGRAMMING PROJECTS

Portfolio Website (*Personal Project*)

September 2019

Languages and Tools Utilized: HTML5, CSS3, JavaScript

- Developed a personal portfolio website
- Visitors can see my personal details and projects
- Used Cloudflare and github to publish website to the internet

Malicious Software : Ransomware (*Personal Project*)

February 2024

Languages and Tools Utilized: Python, pyinstaller

- Created a GUI based application using pyAesCrypt, tkinter, threading and pyautogui modules
- Capture the full screen and avoid closing application by any method except power button
- Asks user "Do you love me ?" and has two button at display Yes and No
- If user say no once thread will run encrypt function and all media files including documents will be encrypted
- At same time yes and no buttons will switch places
- To go on second screen victim has to click on yes
- On second screen user has to input a time and date for a meeting
- On last window decryption password asks if they have right password all files are decrypted
- If victim says Yes first time they got a massage "I love you to" and a button which saves a text file

Malicious Software : Virus (*Personal Project*)

February 2024

Languages and Tools Utilized: Python

- Created a self replicating virus
- It will replicate itself to another python scripts which are on current users directory
- Main work of this virus is just printing "Your all python files are infected" 100 times, each on 2 sec gap
- It will consume 200 second of victims each time they run any python script
- It also replicate itself into new python scripts if old one with virus code is executed

Rest of the projects are on my GitHub profile and Website

Workshops and Trainings

Workshop on Python

February 2022

Mahendra Morang Adarsh Multiple Campus, Tribhuvan University

- Got Intermediate knowledge about Python programming
- Deal with some basic modules which used in normal programs
- Designed Frontend and Backend of websites using Django

Workshop on Machine Learning

February 2022

Mahendra Morang Adarsh Multiple Campus, Tribhuvan University

- Got advance knowledge about Python
- Deal with libraries of python which developed for machine learning
- Got intermediate knowledge about deep learning
- Did some projects using Kaggle's datasets on Google Colab

Training of Journalism and News writer

March 2015

Save the Children

- Achieved basic knowledge about NEWS
- Got training on how to collect data and process information
- Learned about manners of writing NEWS articles

Secretary, Child Club, Save the Children

January 2014 – March 2016

- Collaborated with children and discuss various types of problem and finding solutions on group
- Did some philanthropic works like swiping at temples, helping other children

Member, Information Technology Club of Science and Technology

January 2021 – Present

- Solving IT related issues
- Expanding knowledge of Information technology to all students

TECHNICAL SKILLS**Programming Languages:** C, C++, Java, Python, HTML, CSS, JS, SQL, C#, VB**Software Tools:** Jupyter Notebook, Vim, Git, REST API, JSON, Julia lab, Kaggle, Oracle 10 G