

HIMSON CHAPAGAIN

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Personal Portfolio

STUDENT

I am a dedicated Computer Science major at Texas State University, originally from Nepal, with a strong passion for learning. I plan to enhance my skills in the AI /ML field and am constantly working towards it.

EXPERIENCE

Undergraduate Research Assistant :

February 2024 - Present

- At **Texas State University Computer Science Department**
- Currently working in BioStream: Developing infrastructure for AI-driven wildlife video monitoring project.
- Worked with LabelStudio for assisting in labelling wildlife videos and images for model training.
- Conversion of exported video annotation data from LabelStudio's custom JSON format to Yolo format for frame by frame model training.

Teaching Volunteer :

July 2023 - October 2023

- At **Shramsheel Vidyapith Nepal**
- Worked for and assisted the computer department in teaching basics of programming to students outside school hours.

EDUCATION

Texas State University:

August 2024 - Present

- Current GPA: 4.0
- Courses taken: Calculus I, Foundation of CS I, College Writing & Communication

TECHNICAL SKILLS

Programming Languages:

- Python
- Javascript
- C++

Data Analysis:

- Numpy
- Pandas
- Matplotlib
- Seaborn

Frontend Web Development:

- HTML
- CSS
- Bootstrap

PROJECTS

Quality Of Life Analysis:

- Using data containing every country's Quality of Life and its related factors's value and categorical data, We explore current situation quality of life and its relation with other factors.

FreeCodeCamp PageView Analysis:

- Using data of number of page views each day on the freeCodeCamp.org forum from 2016-05-09 to 2019-12-03, we analyze different trends and seasonalities in the data

Sea Level Prediction Analysis:

- Using data containing sea level changes from the years 1880 to 2023, we predict the sea level change through the year 2050

Medical Data Analysis:

- Using the dataset containing medical records of numerous patients, we will explore the relationship between cardiac disease, body measurements, blood markers, and lifestyle choices.

CERTIFICATIONS

FreeCodeCamp Data Analysis With Python:

- Techniques like Data Cleaning, Data manipulation, Data visualization and Statistics.
- Matplotlib
- Seaborn

SOFT SKILLS

- Good communicator
- Logical
- Teamwork
- Analytical
- Creative
- Problem Solving
- Active Listening
- Research Oriented

LANGUAGES

- English
- Nepali
- Hindi