

SUBODH GHIMIRE

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Kathmandu, Nepal

EDUCATION

National School of Sciences

Aug 2020 - Sept 2022

Higher Secondary Education

Madan Bhandari Memorial College

Feb 2023 - Ongoing

Bachelor's in Computer Science and Information Technology

SKILLS

- **Programming Languages:** Python, SQL, HTML, CSS, JavaScript
- **Frameworks and Libraries:** Flask, NumPy, Pandas, Matplotlib, Seaborn, Scikit-Learn
- **Tools and Platforms:** Git, Jupyter Notebooks, Microsoft Office
- **Soft Skills:** Problem Solving, Critical Thinking, Time Management

PROJECTS

ECOLOG

- Developed a Raspberry Pi-based environmental monitoring system
- Used audio and image processing to detect and respond to forest fires and Implemented functionality for detecting gunshots and smoke

Facial Expression Detection

- Uses convolutional neural networks (CNNs) and OpenCV for recognizing human facial expressions
- Aimed at enhancing emotion detection through computer vision.

CERTIFICATES

Introduction to Python(CS50)

- Mastered the fundamentals of Python, proficiently utilizing control flow and loops to create dynamic programs.
- Gained experience in writing functions, handling errors, and managing data structures.
- Developed a strong foundation in problem-solving and algorithmic thinking.

Master DSA with Python(Programiz)

- Achieved mastery in data structures and algorithms using Python, focusing on key concepts such as arrays, linked lists, stacks, queues, trees, and graphs.
- Proficient in implementing various algorithms, including sorting and searching and many more.

Python Numpy for Data Science(Programiz)

- Gained expertise in using NumPy for data manipulation and analysis in Python, mastering array operations, mathematical functions, and statistical computations.

Data Visualization with Seaborn(Datacamp)

- Gained expertise in using Seaborn for data visualization in Python, mastering statistical plots, categorical charts, and customizing visual styles for insightful data representation.