

Pawan Neupane

Devchuli, Nawalparasi, Nepal

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Skills

Machine Learning

- Machine learning algorithms (supervised, unsupervised, reinforcement)
- Computer Vision, Image processing/enhancement, Anomaly Detection
- Deep Learning, Neural Networks, Generative Adversarial Network
- Computer Vision, Data mining, Natural Language Processing

Programming/ Frameworks

- Python, JavaScript, C, C++
- NumPy, Pandas, Matplotlib, PyTorch
- Keras, Tensorflow, OpenCV, Sklearn
- MySQL, Django, Flask, Heroku, Docker

Experience

Member | Robotics Club | National College of Engineering | 2018-2019
Worked as a member of the robotics club at the National College of Engineering. Worked on projects like line-following robots.

Minor Project | Skin Disease Detection using CNN | 2020
Led a group of 4 to build a program to detect skin diseases in the early stage with the help of a Convolutional Neural Network trained on images obtaining around 85% training and validation accuracy.

Major Project | Grayscale Image/Video Colorization using GAN | 2021
Led a group of 4 to build a web application to color grayscale images and videos using a Generative Adversarial Network. On average, resulting images showed 25dB PSNR.

Tutor | Python | Oct 2021 – Dec 2021
Taught basic Python to foreign primary school students online.

Machine Learning Freelance | Aug 2022
Helped deploy ML models on mobile applications using TFLite.

Personal Projects | 2022
Number Plate Detection, Traffic Sign Detection, Text Sentiment Analysis, Portfolio website.

License

Registered Engineer of Nepal | Nepal Engineering Council.

Education

Tribhuvan University | Institute of Engineering | National College of Engineering.

Lalitpur, Nepal | 2017 – 2022

Bachelor of Computer Engineering
(81.96% with Distinction, no backlogs, topper in 4 semesters)

Higher Secondary Education Board | Aroma English H.S.S.

Chitwan, Nepal | 2013 – 2015

Physical Science
(73.10% with First Division)

Certifications |

GitHub Bootcamp completion,
AI for Everyone,
Machine Learning with Python,
Supervised Machine Learning,
NLP with Python.

Awards and Honors

- **Engineering Scholarship | Nepal Government | Institute of Engineering**
Covered my tuition fees for 7 semesters for academic excellence in computer engineering
- **Certificate of Appreciation | Aroma English H.S.S**
For securing distinction in grade XI
- **CG Gyan-Uday Scholarship | Chaudhary Group**
Received monetary grants for being the SLC topper of my school batch

I solemnly declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars. [Updated on Nov 20, 2022]