Srija Uprety

Machine Learning
Computer Vision

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EDUCATION

Fusemachines AI Fellowship Kathmandu, Nepal
Machine Learning 2022 – 2023

Trinity International College Kathmandu, Nepal
Computer Science and Information Technology 2019 – 2023

SKILLS

Python
TensorFlow · Docker · Linux

English · proficient

EXPERIENCE

Bottle Technology Jhamsikhel, Lalitpur
Computer Vision Trainee 2022-2023 (8 months)

- Used yolov7 for object detection and implemented it on Jetson Nano.
- Performed Line segmentation for detecting license plate characters. .
- Implemented image preprocessing techniques like otsu binarization, Niblack algorithm, Morphological processing.
- Deployed applications on Docker.

Fusemachines AI Fellowship Kathmandu, Nepal
Microdegree 2022 – 2023

- Machine Learning
- Deep Learning
- Computer Vision

REFERENCES

2023 **Sangam Khanal**
Lead ML Engineer
sangam@bottle.com.np

PROJECTS

Growing Neural Cellular Automata
Tools used: Python, Tensorflow, Gradio

- A system that enables the generation of intricate structures in three dimensions, as well as simulating the development of multicellular structures starting from a single cell.

Time Series Analysis
Tools used: Python, Jupyter Notebook, Keras, Sklearn, TensorFlow

- A time series model using lstm and arima to simulate the predictions of stocks with longitudinal data.