YUGRATNA HUMAGAIN

[GitHub](#) | [LinkedIn](#) | [Email](#) | +977-9843123112

EDUCATION

Bachelors in Computer Engineering   **2021 – Present**
Thapathali Campus, IOE, TU (8th Semester)   Kathmandu, Nepal
High School   **2018 - 2020**
United Academy   Lalitpur, Nepal

SKILLS SUMMARY

AI and Machine Learning	: Supervised, Unsupervised, Reinforcement Learning, LLMs
Libraries and Framework	: Pandas, Numpy, TensorFlow, PyTorch, OpenCV
Languages	: Python, JavaScript, C++, C
Web Development	: HTML, CSS, JavaScript
Miscellaneous	: MS Word, Excel, PowerPoint
Soft Skills	: Problem Solving, Communication, Critical Thinking, Time Management

EXPERIENCE

AI Fellowship 2024 | Fusemachines | Kathmandu, Nepal   **Apr 2024 – Oct 2024**
- Learnt and implemented machine learning techniques like regression, classification, and reinforcement learning along with working with LLMs,
- Object detection, image segmentation, and NLP tasks like text extraction, NER, and sentiment analysis,
- Built and trained neural networks (CNNs, RNNs, GANs), and learned to deploy, monitor, and manage models in production.

PROJECTS

Responsive Crime Monitoring and Instant Classification Utilizing AI on Live CCTV Feeds ⬀
Focuses on detecting and classifying violent activities in real-time video frames leveraging deep learning models, including ResNet18 combined with LSTM for classification and YOLOv8 for object detection, to analyze and identify potential violent events in video streams.

'Presentify'- Research Paper Slide Generator ⬀
Provides a web application for crafting and rendering research presentations in the computer science domain. With real-time slide previews and seamless integration for exporting to PPTX format, the tool prioritizes simplicity and efficiency, enabling users to create shareable presentations directly in their browser.

ACHIVEMENTS

2nd Place | Advent of Multimodal AI Hackathon Global Virtual Event Built AI Custom Manga Generator, Platform specific Social Media Post Generator, Custom Greetings Cards Generator as a part of the 3-day hackathon challenges using multimodal AI.

CERTIFICATIONS

Become a Python Master   **Nov 2022**
Skills: Python   Programiz
Python for Data Science, AI & Development   **May 2023**
Skills: Data Analysis, Machine Learning Basics, AI and Development Tools   IBM
Machine Learning Specialization   **July 2024**
Skills: Supervised Learning (linear & logistic regression, decision trees), Unsupervised learning   DeepLearning.AI
(clustering, anomaly detection), Recommender systems, and Reinforcement learning
Python Data Associate certificate   **Nov 2024**
Skills: Python Programming, Data Manipulation, Exploratory Data Analysis, Data Visualization,   Data Camp
Data Cleaning