

Kushal Raj Sharma

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SUMMARY

Hi, I am Kushal Raj Sharma, Machine Learner and Natural Language Processing Practitioner with a strong foundation in Mathematics and Programming. Having strong determination to learn and solve real world problems utilising the knowledge of my domain.

EXPERIENCES

National Innovation Center, Kirtipur Internship

May 2021 - Aug 2021

- Implementing CNN from scratch.
- Reviewed various research papers on Autonomous Self-Supervised Learnings,
- Recreate the Plant Disease Detection Model using Pytorch.

SherpaCodes, Manigram AI Lead

Sep 2021 - May 2023

- Experience in data collection (scraping) using Scrapy and text preprocessing with Spacy.
- Managed a team of 20+ annotators, ensuring quality control and timely completion.
- Skilled in using data annotation tools such as Prodigy, UBIAI Tools, Label-Studio, and HayStack.
- Collaborated with cross-functional teams to prioritise data needs for machine learning models.
- Utilised supercomputer resources to optimise efficiency and reduce computation time by 50%.
- Conducted research and implemented findings from various papers to achieve project goals.

PROJECTS

Digital Advertisement Classification, Semester Project

- A web application that categorises the Digital Advertisement data obtained from different national and international sources.

Plant Disease Detection, Semester Project

- A web application that identifies the diseases of plants after being uploaded and also suggests the precautions to avoid diseases.

Document Analyzer

- Analyse the documents and extract NER, POS from it.

NER Extraction

- Annotated a large number of Resumes and extraction of Name Entity from them.
- Inferencing for the better results and achieved accuracy of more than 80%.

SKILLS

- Python
- Flask, Streamlit
- Pandas, Numpy, Matplotlib, spaCy, Scrapy
- Machine Learning, Scikit-Learn, OpenCV
- Deep Learning, Tensorflow/Keras, Pytorch
- Natural Language Processing, Transformer

TOOLS

- Project Management: ClickUP
- Web Crawler: Scrapy, BeautifulSoup
- Version Control System: Git, Github, Gitlab
- Data Annotation: UBI AI, Prodigy, Label-Studio

EDUCATIONS

- | | |
|---|-----------------------|
| • Bachelor's in CSIT, <i>Nepathya College</i> | 2017 Aug - 2022 Aug |
| • Intermediate Level, <i>Paramount EBHS</i> | 2014 June - 2016 May |
| • SLC , <i>Kunwarwari EBHS</i> | 2005 Apr - 2014 March |

HONOURS AND AWARDS

- Awarded as the "Top 5 finalist of **STARTUP AND IDEA FEST 2022** Lumbini Province".

LANGUAGES AND HOBBIES

- Nepali, Hindi, English
- Reading Books and Blogs, Games, Data Collection