JANAK SHARMA

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Linkedin | GitHub | Portfolio

EDUCATION

IOE, Pulchowk Campus(4% acceptance rate)   Pulchowk,Lalitpur
Bachelors, Computer Engineering   sept 2019 - April 2023

SOS Hermann Gmeiner School   Pokhara,Nepal
+2 Science   july 2016 - july 2018

EXPERIENCE

MAITRI SERVICES | Backend Developer   Kathmandu,Nepal | April 2024 - Present
- involved in creating APIs, maintaining security practices, and managing backend tasks for a platform used by medical coders for coding health charts

COTIVITI NEPAL | Full Stack Developer   Kathmandu,Nepal | March 2023 - April 2024
- Worked as a Full Stack Dot Net Developer
- Worked in the project (Star Intelligence) that helps in calculation of rebate for clients

FUSEMACHINES | Apprenticeship   Lalitpur,Nepal | May 2022 - August 2023
- Received a full scholarship for a year-long fellowship program
- Developed and completed various projects in the field of Machine Learning and Deep Learning

LOCUS Code Camp | Lead Organizer   Lalitpur,Nepal | Jan 2023
- lead organizer of a two-day coding hackathon, managed the event schedule, coordinated participants, and spearheaded a fundraising campaign, arranged mentors for 100 participants and guided their projects through to the final demos.

NAAMII | NLP Research Intern   Lalitpur,Nepal | Oct 2022 - April 2023
- conducted research on the overall state of Nepali NLP and Nepali NLP datasets
- analyzed existing publications on Nepali NLP and performed critical analyses of the models they used

Children in Technology(CIT) & Internet Safety Programme | Instructor & Organizer   2022
- Developed the syllabus and course materials for CIT, organized campaigns in 50 schools, and provided instruction in remote villages. Educated young children on internet abuse, cyberbullying, malware, online predators, and internet safety precautions.

LOCUS | Instructor   Pulchowk Campus | july 2022 - july 2022
- Served as a Python instructor for a 10-day software fellowship workshop, preparing course materials and lecture slides to teach 120 participants about Python, data science, and Git/GitHub

SKILLS

Programming Languages:	C Sharp, Python,Javascript
Libraries/Frameworks:	Django, Angular, DotNet Core, FastAPI
Tools / Platforms:	Git, Github,Jira,Bitbucket, Docker
Databases:	PostgreSQL, MongoDB

HONORS & AWARDS

- **Winner** - Won Docsumo DataVerse Competition at LOCUS 2023

- **Achievement** - All rank 25 in BE entrance exam(Computer Engineering)

- **Liscensee** - Registered and Liscensed Engineer by Competitive Exam(Nepal Engineering Council)

PROJECTS

Information Extraction | Link   *Pytorch, FastAPI,React,MongoDB*
- With this project I was aiming to solve the problem of extracting the information from form like documents using Deep Learning Model and with the end product you will be able to submit the required document and extract the relevant information from form like documents in key value format.

Sentiment Analysis | Link   *React, FastAPI, Pytorch*
- With this project, I was aiming to perform the sentiment analysis of the Nepali Language and with the final launch user can enter sentences and the model will return the sentiment of that sentence

Q bot | Link   *NLTK, python*
- With this project I was aiming to solve the problem of passage retrival, for the given passage, the user can enter the questions and the model will retrieve the relevant answers using TF-IDF algorithm

Publication Repo | Link   *Django, Bootstrap*
- With this project I was aiming to solve the problem organizing research papers ,journals and with final launch the user can organize all their resources and export them in json, bibtex, MLA,APA format as needed

Checkers | Link   *pygame*
- With this project I was aiming to implement adverserial search for the game playing AI, the user can play with AI agent which tries to anticipate user move and chooses it's move using MinMax algorithm

CERTIFICATIONS

- Deep Learning Specialization - **DeepLearning.ai**
- Machine Learning Specialization - **DeepLearning.ai**
- AWS Cloud Foundations - **Amazon Web Services**
- CS50AI:CS50's Introduction to Artificial Intelligence with Python - **Edx**
- Python for Everybody Specialization - **Coursera**
- AWS Machine Learning Foundations - **Amazon Web Services**

PUBLICATIONS

Comparative Analysis and Study of Technology Approach to Document Image Understanding From Structured Text Document Image | ICTIS Conference, India(h-index=33)

- provided a comprehensive breakdown of DIU components and conducted a meticulous analysis of traditional and deep learning approaches for DIU applications, including performance metrics to aid in application selection for document image processing. This paper has been accepted for presentation at the ICTIS conference in Ahmedabad, scheduled for April 4-5.