NIRAJAN BEKOJU

Computer Engineering Student

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SUMMARY

Self-motivated and result oriented computer engineering student with good mathematical skills to solve real-world problems. Excellent communication skills and experience in web development, and keen interest in AI, Machine learning and Deep Learning. Skilled at developing reports, analyzing data, and identifying solutions. Innovative, creative, and willing to contribute ideas and learn new things.

TECHNICAL SKILLS

- **Web Designing:** HTML, CSS, Bootstrap, React JS, p5 Js
- **Backend:** Python, Django and Django Rest Framework
- **API:** Postman
- **Version Control:** Git, Github, Gitlab, Bitbucket
- **Database:** Postgresql, MySQL
- **Data Analysis and Visualization:** Numpy, Pandas, Matplotlib, Seaborn, Plotly, Cufflinks
- **Machine Learning and Deep Learning:** Sklearn, Tensorflow, Keras
- Computer Vision **(OpenCV Python)** and NLP
- C/C++
- Data Structures and Algorithms
- Sound knowledge of Software Development Life Cycle
- Object Oriented Programming
- Report making and Documentation of project using **Latex**
- Competitive Programming

PERSONAL SKILLS

- Having Leadership Qualities.
- Ability to work under pressure.
- Comfortable Working Independently.
- Ability to take initiative to solve problems.
- Teamwork and Collaboration

CERTIFICATIONS

- Machine Learning by Stanford University on Coursera
- Neural Networks and Deep Learning by DeepLearning.AI on Coursera
- Natural Language Processing Specialization by DeepLearning.AI on Coursera
- Bayesian Statistics : From Concept to Data Analysis by University of California, Santa Cruz on Coursera
- Problem Solving on Hackerrank
- Web Designing Course from Broadway Infosys (Certificate No : B9628)

EDUCATION

Bachelor in Computer Engineering

Pulchowk Engineering Campus

2019 – Currently Pulchowk, Lalitpur

Khwopa Secondary School

2016 – 2019 Dekocha, Bhaktapur

PROJECTS

Nepali Language Processing

- **Project Goal:** To develop nepali language model using probabilistic and sequential models. To explore the nepali classification problems (sentiment classification, movie review classification) and to visualize the word embeddings of nepali words.
- Click here for Project Repository Link

Staff Management System

- **Project Goal:** To manage the staff in a company during lockdown period.
- Developed by the team of 4 people
- **Technologies Used:** Django Rest Framework, React
- Click here for Website Link

Malignant and Benign Tumor Diagnosis Analysis and Prediction

- **Project Goal:** To analyze and visualize data on Breast Cancer from Kaggle and predict whether the tumor is malignant or benign
- **Technologies Used:** pandas, matplotlib, seaborn, sk-learn and keras
- **Result:** Achieved 97.90 % validation accuracy
- Click here for Project Repository Link

Epidemic Modeling with SIR model

- **Project Goal:** To study the spread of epidemic diseases using the SIR model.
- **Technologies Used:** OPENGL C++ for graphics, pandas and matplotlib for data analysis and visualization.
- Click here for Project Repository Link

Fourier Transform Drawing

- **Project Goal:** To draw any 2D closed diagrams using DFT and to understand discrete fourier transform
- **Technologies Used:** OpenCV-Python3 for Image Processing to generate image coordinates and C++, SFML Library for graphics.
- Click here for Project Repository Link