

Bijaya Ghimire

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Summary

Enthusiastic, passionate, self-motivated Data Science and Machine learning learner having little experience of few machines learning work. I am very interested in learning about and working in the field of artificial intelligence, data science, and computer vision.

Education

Pashchimanchal Campus, IOE, TU Lamachaur-16, Pokhara, Nepal
Bachelor in **Electronics, Communication and Information Engineering** 2018-2023
Coursework: C, OOP, Data Structure and Algorithm, Applied Mathematics, Microprocessor, Computer Graphics, Probability and Statistics, AI, Data Mining, Big Data Technology, Remote Sensing.

National School of Sciences (NIST) Lainchaur-16, Kathmandu, Nepal
Science Stream [GPA: 3.33/4] 2016-2018
Coursework: Physics, Mathematics, Chemistry and Biology

Experience

Omdena Palo Alto California, USA

Junior ML Engineer (Remote)

Combating Misinformation with Data Science and AI Feb 2023-Present

- Source through different Nepali fact check organization to collect a dataset of verified fake news and Carryout data processing and data analytics to understand the distribution of misinformation.
- Apply Data Science, Data Engineering and Machine Learning develop an API to identify if a particular post has already been classified as misinformation.

Junior ML Engineer (Remote)

Creating a Rice Disease Classifier Mar 2023-Present

- Aim to deploy a deep learning model through a website or mobile application that will identify different rice diseases by simply uploading a photo of a rice crop.

Vulcan Gaming Lamachaur-16, Pokhara

Game Data Analytics May 2022 - Dec 2022

- Work with game log data to retrieve and analyses player and team performance matrices in game.
- Assist forecasts and predictions for different decision scenarios which can be used to produce commentary and reviews of games.
- Compiling an event report with specifics, including an analysis and visualization of player and team performance.

Broadcasting and Data Entry Mar 2021 - Apr 2022

- Entering players, matches, event data from source documents and reviewing data for deficiencies or errors, correcting any incompatibilities and checking output.
- Manage the startup & setup process broadcast & live streaming equipment, including bringing all broadcast signals live and pushing them to all relevant distribution channels.

Pashchimanchal Campus

Ball Tracking and 3D Coordinate Extraction Jun 2022 – May 2023

- On behalf of the final year project (thesis) of undergraduate, I had developed cricket ball tracking system and assist to visualize the trajectory to do sport analysis and decision review

Overspeed Detection and ANPR Dec 2021- May 2022

- Integrating Automatic number plate recognition system with speed detection to detect over speeding vehicles.

South Asian Games 2019

Broadcast Engineer | NK Media Ventures Pvt Ltd Pokhara Stadium, Pokhara

- Live Streaming of South Asian Games 2019 held in Pokhara, Nepal. The games included, Women's football, Handball, Badminton, Archery.
- Configured and developed a full system for broadcast of all South Asian Games events.

- Significantly increased user engagement on the platform and reduced latency

Shree Gyan Jyoti Higher Secondary School

Science Teacher

Airkot-3, Gorkha

Aug 2018 – Oct 2018

- Taught science to students in grades 6 to 9, fostering curiosity, critical thinking, and a love for the subject.
- Developed and implemented innovative lesson plans incorporating technology tools and hands-on activities to foster student engagement and improve learning outcomes.

Activities & Extracurriculars

Participation, Richter's Predictor: Modeling Earthquake Damage, Drivendata

Apr 2023

- Predict the damage grade of the building that was hit by the 2015 Nepal earthquake.

Applied Data Science Lab, WorldQuant University

Mar 2023

- Complete a series of end-to-end data science projects, building the wrangling, analysis, model-building, and communication skills

Certifications

TensorFlow: Advanced Techniques Specialization, DeepLearning.AI | Coursera

2023

Applied Data Science with Python Specialization, University of Michigan | Coursera

2023

Machine Learning, Stanford University, DeepLearning.AI | Coursera

2022

Python for Everybody Specialization, University of Michigan | Coursera

2022

Skills & Interests

Languages: Nepali-Fluent, English- Fluent, Hindi-Good

Programming, tools and library: Python, C++, TensorFlow, Keras, Scikit-learn, Numpy, Pandas, Matplotlib, SciPy, OpenCV, NLTK, Seaborn, HTML, CSS, JavaScript, MATLAB, Jupyter Notebook.

Interest: Data Science, Computer Vision, Teaching, Research,