Bishnu Kumar Sharma

📞 0965440835 @ bishnus350@gmail.com

Education

NATIONAL CENTRAL UNIVERSITY

MS in Astronomy (Running)

📅 June 2023   📍 Zhongli, Taiwan

- Academic excellence award 2022
- Distinction (89.89%)

TRI-CHANDRA MULTIPLE CAMPUS

BS in Physics

📅 2019   📍 Kathmandu Nepal

58.75%

Links

in Linkedin

https://www.linkedin.com/in/bishnu-kumar-sharma-26a324109/

Coursework

GRADUATE

Astrophysics of Galaxy

Observational Astronomy

Stellar formation and evolution (I, II)

Cosmology

UNDERGRADUATE

Physics

Mathematics

Statistics

Skills

PROGRAMMING

Python • SciPy• NumPy • Pandas • Matplotlib • Machine learning •MySQL

MISCELLANEOUS

• LaTeX• Microsoft Office • Origin • GNU/Emacs, Sublime text • Linux/Ubuntu • Binder • TensorFlow, Keras, Sci-kit learn • HTML/CSS • JavaScript

Honors

ACADEMIC EXCELLENCE AWARD, 2022

Graduate Institute of Astronomy

Language

- Nepali (Native)
- Hindi and English (Fluent)
- Chinese (Basic)

Experience

TEACHING

Mahendra Rastriya Secondary School

📅 April 2017 – March2020   📍 Kathmandu, Nepal

- Teaching Mathematics and Science to high school students
- Conduction of extra curriculum activities.

MACHINE LEARNING

National Central University

📅 Master degree   📍 Taiwan

- Used Machine learning for image classifications.

DATA ANALYSIS IN PYTHON

National Central University

📅 Master degree   📍 Taiwan

- Analyzed Gaia telescope data to make the color-magnitude diagram.

Conferences

- ZTF summer school, 2021, California Institute of Technology, USA
- Star, Planets, and Formosa, 2022 (NCTS, Taipei)

Poster presentation _ National Chung Cheng University

📅 Astronomical Society of Republic of China 📍 Chiayi, 2022

- Study and classify globular clusters based on color-magnitude diagram morphology using Gaia EDR3

National Cheng Kung University

📅 Taiwan Physical Society   📍 Tainan, 2023

- Classify galactic globular clusters based on a color-magnitude diagram using an unsupervised machine learning

Online Courses

Audit CS231 from Stanford University on YouTube

Intro to Deep Learning with PyTorch (Udacity)

CS50's Introduction to Programming with Python

Strength

TEAM WORK & COMMUNICATION

I used to work as a teacher in Nepal, and I learned strong communication skills. I used to conduct different projects for students and I learned strong teamwork skills. I believe teamwork is very important for the development and growth of any organization.

THEORETICAL KNOWLEDGE

As a student of Mathematics, Physics, and Astronomy, I develop high theoretical knowledge of natural science and how it works. As the volume of data is increasing in astronomy, we need to perform a lot of data analysis. And of course, the popular language for data analysis for astronomers is Python.

Reference

Chow-Choong Ngeow (cngeow@astro.ncu.edu.tw)

Advisor