**TO WHOM IT MAY CONCERN**

I am very pleased to provide reference for Ukesh Karki who is my student currently studying on B. Sc. Fourth Year. I taught him Space Science and mentor his laboratory work in B. Sc. Third Year. In addition to that I also supervised his fourth-year project work. Thus, I can comment on him not only as a teacher but also academic advisor.

The most important thing is that I supervised his bachelor fourth year project work titled as“*Rotational velocity of metal poor star in Milky Way galaxy*”. In this research he used the Bayesian approach for determining the rotational velocity of different component of Milky Way galaxy using the data from Gaia and GALAH. I was truly amazed by his deep understanding of statistical approach on astrophysics. His dedication, perseverance and intelligence are fully reflected by his admirable marks which he has obtained in every examination either theoretical or practical. I have found that he has a keen interest in astrophysics, in my Space Science class he was completely focused to learn about astronomy and was not hesitant to ask any question when he was confused. I was really impressed by his ability to grasp new concept and whenever concept is complex, he always breakdown it to simpler form with his own unique style. He is curious individual with determination to solve his curiosity that is one of the most important quality he possesses that distinguish him from any other student I have taught. He has already presented his project work in 37th annual convention of Nepal Physical Society and awarded by Best Presentation Award for his exceptional work. Being an astrophysicist myself I can safely say that he has enough potential to achieve his dream to become an astrophysicist.

He has good command in python programming specially its application toward astrophysics. So, I am very confident if he got proper guidance and environment he can even do better. Therefore, I strongly recommend him for Leiden/ESA Astrophysics Program for Summer Students (LEAPS) 2021. Please feel free to contact me if you have any query regarding him.

I wish him every success in his academic endeavors.

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