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**Dr. C. Krishna Mohan**  
**Professor**

**August 02, 2021**

**To Whom It May Concern**

I am writing this letter to give my highest possible recommendation for **Mr. Shorya Sharma**, a rising junior in the department of Electrical Engineering, **Indian Institute of Technology Bhubaneswar**. I know Mr. Sharma through his work which he carried out during his internship in our **Visual learning and Intelligence (VIGIL)** lab, Department of Computer Science and Engineering at **Indian Institute of Technology Hyderabad** from **20<sup>th</sup> March 2021 to 25<sup>th</sup> July 2021** under my supervision.

During that summer, *Shorya* demonstrated the ability to work independently with great creativity and enthusiasm. He also put in many long hours. He worked as hard as my best graduate student. I teamed *Shorya* with one of my research scholars to work on the project '**Adversarial Attacks in Aerial Scene Classification**', where he implemented a range of black-box & white-box attacks on various aerial images with the help of ML libraries such as PyTorch, FoolBox, Python, Keras, OpenCV, Scikit-Learn, and TensorFlow. I observed that he is quite well versed in adapting to multiple programming languages and machine learning libraries along with being dedicated to his work with an interest in providing novel approaches to solve the limitations faced in this new field of research in adversarial learning.

My research scholar working with *Shorya* commented favorably about working with him and said that he has excellent dissection skills. I was especially taken by *Shorya's* creative mind and independent work ethic. He continued to read the literature independently and generate interesting hypotheses. *Shorya* also showed remarkable problem-solving ability. During this period, *Shorya* was highly motivated and passionate about his work, and always finished every task given to him within short duration. Being a Electrical Engineering major and only having completed 2 years of undergraduate studies, he continuously updated his knowledge related to python coding and neural architectures.

In summary, *Shorya* is clearly one of the best students that I have worked with. I think he would be an outstanding asset to your research lab and I give him my highest recommendation. If I can be of any further assistance, or provide you with any further information, please do not hesitate to contact me.

Sincerely,

C. Krishna Mohan