

# Statement of Motivation

By Devesh Marwah

As a student I was always surprised by the intricacies of physics and often studied various books with Feynman as my idol. While choosing my bachelors degree, the interests collided with Computer Science and I chose the latter. Given this opportunity in CERN, I want to fully contribute to it. I have won various medals in Physics olympiad previously and qualified for the InCho examination too.

The opportunity here is ideal for me as it allows me to work on a confluence of Physics and Computer Science which have been my two big standing interests for a long time. The problem is also very novel and research oriented which includes trying out new models and hence is perfect for me. I also play around with the HPC clusters in our campus named Ada and ran the given project there also for better GPUs.

I have previous experience working with open-source organizations and am part of the open-source group in my university. Another reason I am interested in the project is because I am currently working on an Autoencoder model with my lab here for better Rainwater Prediction and selecting parameters for them.

I am also fairly academically motivated and have a GPA of 9.03/10 and received Dean List-1 and Dean List-2 for previous semesters which is awarded to the top 5% and 10% of students respectively.

Apart from that, I have always tried to strike the balance between work and fun. I have previously been part of the Astronomy Club where we conducted various fun events like stargazing and capturing beautiful pictures of the night sky. I also own a personal telescope. I am also an avid chess player and often take part in the chess tournaments of my college and would love to officially take part in FIDE rated contests someday.

Given my interests and past experiences, all in all I feel that CERN would give me great research opportunity, aligns with my interests and I will be a fruitful contributor for the same.