I am a junior at IIIT Delhi, India, pursuing B.Tech in Computer Science and Applied Mathematics, highly motivated to pursue this project under the GSoC 2021.

CERN has always been at the very heart of nuclear and particle physics, working on the world's largest and most complex scientific instruments to help uncover what the universe is made of and how it works. Seeing and reading about CERN in newspapers, documentaries be it the discovery of Higgs Boson or a documentary about dark matter or the world wide web even the sitcom The Big Bang Theory, contributions of CERN in advancements understanding of the universe and computing has always inspired me from childhood.

This project provides an excellent opportunity to explore the area of Computer Networks, which I got introduced to and fell in love with through the course at my university, and work on software to simulate test and debug one of the most sophisticated cutting edge networks around the globe, designed to handle as enormous as 32 Tb/s of real-time data losslessly and being a small part of LHCb experiment and CERN.(My dream place)

I got experience in GUI building through a variety of projects done over the years. I am also well versed and was fortunate to **get industry level development in python development and software development practices through my Google Summer of Code 2019** project with Software Heritage.

I believe that my experience with the various projects done over the years, and most importantly, my passion for working in the **field of physics, CERN and Networks**, willingness to learn and adapt will be valuable assets to the project.

Working on this project under your humble guidance would be an ultimate learning experience for me.

With the excellent guidance and experience, I am sure to receive from the mentors, I hope to make a worthy contribution to society.