



I am John Felix, a second year undergraduate student of the department of Industrial and Systems Engineering at IIT Kharagpur. I had the privilege to co-author the research paper titled “Gamma-Ray Burst Light Curve Reconstruction: A Comparative Machine and Deep Learning Analysis” under the guidance of Professor Maria Dainotti from 9th December 2024 to 30th May 2025.

I was able to contribute significantly to the paper even though astronomy was well out of my field of expertise because of the flawless job that Professor Maria did in making sure that the knowledge gap was bridged. Her constructive criticism proved to be crucial for the success of our paper.

During the 6-month long internship I was able to create working machine learning pipelines which made it into the published paper and also gained valuable insights into the world of research which would prove to be valuable in my future endeavours. I am truly grateful to Professor Maria for the opportunity and guidance that she gave me.

— John Felix