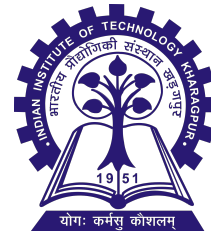# Prathvik G S
Indian Institute of Technology ,Kharagpur (India)

Kharagpur, 721302, West Bengal,India

📞 +91-9663998680 ● ✉ gsprathvik@kgpian.iitkgp.ac.in

🖥 www.linkedin.com/in/prathvik-g-s-418b431a1/

Education

Program	Institution/Board	%/CGPA	Year
5 Year Integrated MSc (Physics)	Indian Institute of Technology *Kharagpur,WestBengal*	**8.69/10**	2020-2025
CBSE-AISSCE	Jawahar Navodaya Vidyalaya *Pondicherry*	**93.8%**	2020
CBSE-AISSCE	Jawahar Navodaya Vidyalaya *Hassan*	**92.8%**	2016

Projects

1. *Project 1*   **Aug 2020 - Nov 2020**

(Guide: Prof Krishna Kumar)   *IIT Kharagpur*

○ Several aspects of the Kermack-McKendrick Model (1927) were discussed and numerical simulations were produced in MATLAB. Moreover, the project aimed at improving the original model by including several factors like treatment and recovery, wave characteristics of epidemics (a prominent feature of the COVID-19 pandemic), and utility and effectiveness of vaccination. The modifications corresponding to these factors were made in the original model and they were tested using numerical simulations using MATLAB, showing strong qualitative agreement with the prevalent COVID-19 situation.

2. *Kaggle Machine learning project*

○ Completed the kaggle project-predicting (classifying) the passengers who survived the shipwreck based on different features like social status,gender,age etc using different ML models,got the highest accuracy of using the k nearest neighbours with k=10,got a rank within top 15%

Course Work

1.Academic Courses

                                                                                                IIT Kharagpur

○ Course: Programming and data structure ,Advanced Calculus,Linear Algebra and complex analysis,Probability and statistics

2.Online Courses

○ Supervised Machine Learning-Regression and Classification-Coursera
Deep learning and neural networks-Coursera

Technical Skills

○ Programming Language: C, C++, Java, Python

○ Other skills:Machine Learning,Data Analysis

Achievements/Awards

○ Was Awarded the *INSPIRE Scholorship* DST Govt of India

○ Was selected for *Summer Research Fellowship Program me (SRFP)* by Indian Academy of sciences-2022