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# Susanket Sarkar

susanketsarkar.github.io

I am a Second-year Undergraduate student at the Department of Aerospace Engineering , Indian Institute of Technology Kharagpur.

## SKILLS

<b>Tools and Languages</b>	C, C++, Python, Matlab, Git, PostgreSQL, L <sup>A</sup> T <sub>E</sub> X, HTML/CSS
<b>Libraries</b>	PyTorch, Tensorflow, Keras, Git, PyGame, Pillow, OpenCV, Seaborn, Scipy, Matplotlib, Django
<b>Web Development</b>	Django, HTML, CSS, Bootstrap, PostgreSQL

## PROJECT SUMMARY

### Movie Recommendation System

Used ARIMA (Auto Regressive Integrated Moving Average models) to predict temperature forecasting using basic ML models.

### Temperature Forecasting

Used an item-based collaborative filtering algorithm to recommend 10 similar movies. The dataset used was movielens small dataset .

### Song Popularity Prediction

Predicted the popularity of the music tracks based on the features and qualities of the songs (like, loudness, liveliness, energy etc.).

## RECENT WORK EXPERIENCE

### AI Intern Program at CellStrat

Start Nov. 2021 — End Jan. 2022

Certificate

## EDUCATION

### Bachelor of Technology in Aerospace Engineering

*Indian Institute of Technology, Kharagpur*

2020-2024  
GPA: 8.35/10

### All India Secondary School Examination (AISSE)

*Aditya Academy Secondary, Barasat*

2020  
Secured 95.6%

### All India Secondary School Examination (AISSE)

*Aditya Academy Secondary, Barasat*

2018  
Secured 95.2%

## RELEVANT COURSEWORK

Mathematics - Linear Algebra, Calculus

Computer Science - Machine Learning, Algorithm

Ongoing - Java, Reinforcement Learning