

# Sreyaan Roy

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## EDUCATION

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### Manipal Institute of Technology

Bachelor's Of Technology Data Science 2027

### New Horizon Scholar's School

Higher Secondary Education 2022

### Universal High

Secondary Education 2020

### Manipal,Karnataka-576104

Cumulative GPA:7.79

### Thane,Maharashtra-400607

Percentage:87.6%

### Thane,Maharashtra-400607

Percentage:96.4%

## PROJECTS

### ❖ Advanced Breast Cancer Prediction System

- Engineered a sophisticated neural network model utilizing **TensorFlow** and **Keras** to analyze comprehensive breast cancer datasets. This system achieved an outstanding **99.4%** predictive accuracy in identifying potential malignancy, demonstrating advanced capabilities in deep learning, data science, and the application of AI in critical biomedical contexts.

### ❖ Capuchin Bird Call Identification & Analysis System

- Developed a cutting-edge deep audio classifier using **TensorFlow**, **Keras**, and **SciPy** to precisely identify and quantify the calls of Capuchin birds within complex 3-minute forest recordings. This innovative system accurately detected and counted each distinct call, showcasing expertise in advanced signal processing, bioacoustics, and real-time audio analysis with deep learning.

### ❖ Dynamic IPL Target Prediction Engine

- Designed and implemented an advanced IPL target prediction system using a neural network built with **TensorFlow** and **Keras**. This sophisticated model dynamically updates target predictions after each ball, leveraging a custom dataset meticulously created through data scraping. The system intelligently weights recent IPL seasons, applying an exponential decay to older data to ensure highly relevant and accurate real-time predictions based on batting team, bowling team, and venue.

## LEADERSHIP & EXPERIENCES

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- **Organizing Committee, Social Media & Graphics Lead | TechTatva Techfest | 2024**
  - **Organizing Committee, Social Media & Graphics Lead | Revels Cultural Fest | 2025**
  - **Managing Committee Member | AAINA Dramatics | 2024 – Present**
  - **Working Committee Member | AAINA Dramatics | 2023 – 2024**
  - **Working Committee Member | Finnova Fintech Club | 2024 – Present**
  - **Working Committee Member|Naqaab Film Club|2023-2024**

## SKILLS AND INTERESTS

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**Programming Languages Known:** C,C++,Java,Python,PLSQL

**Libraries & Frameworks:** NumPy,Pandas,Matplotlib,Seaborn,Sklearn,Tensorflow,SciPy,Pysloth,MySQL,  
MongoDB

**Interests:** **Graphic Designing**(Canva,Illustrator),**UI/UX**(Figma),**Video Editing**(VN,DaVinci Resolve)

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