

# Ankur Chanda

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[Other Links](#)

## Education

- Institute Of Engineering and Management** Kolkata, India  
*Bachelor of Technology - CSE(specialization in AIML); CGPA: 9.08* *November 2021 - August 2025*  
*Courses: OOPs, Database Management System, Machine Learning, Deep Learning, Algorithms, OS, Data Structures, Artificial Intelligence*
- Kendriya Vidyalaya Ballygunge** Kolkata, India  
*Senior Secondary (XII), Science; Percentage: 93.60* *May 2019 - June 2021*

## Skills Summary

- Languages:** Python, Java, MATLAB, SQL, C
- Frameworks:** Numpy, Pandas, Matplotlib, Scikit-Learn, Plotly, TensorFlow, Keras, PyTorch, Seaborn
- Tools:** Jupyter Notebooks, Excel, VS Code, XAMPP, GIT, MySQL, Orange, Google Colab
- Platforms:** Windows, Ubuntu, Kaggle, Github Codespaces
- Soft Skills:** Team Coordination, Event Management

## Experience

- Indian Institute of Technology, Kharagpur** On-site  
*Research Intern (Guide: Prof. Sandip Chakraborty)* *May 2023 - July 2023*
  - Expertise in Streaming Analytics and Change Point Detection:** Developed expertise in streaming analytics and online change point detection methodologies and leveraged machine learning algorithms to detect and analyze change points in real-time data streams.
  - Implementation and Analysis of Change Point Detection Techniques:** Implemented and analyzed change point detection techniques using Python libraries and utilized them to process and extract insights from over 75,000 time series data points. Identified and analyzed patterns and transitions to understand the dynamics of the data.
  - Optimization and Evaluation of Algorithms:** Achieved a significant improvement of 7 percent in detection accuracy through algorithmic enhancements.*Tools used:* Jupyter Notebook, Python, Git, Ruptures, bocd, KL-CPD

## Projects

- TaskEase : A Task Management System/ [Github Video](#):**  
Developed and implemented a task management system using **MySQL database** for **CRUD applications** helping users stay organized and productive.  
This system allows ensures effective task assignment, progress tracking and leave management.
- Football Matches Data Scraping and Prediction / [Github](#):**  
To extract Football matches data and statistics by scraping with **bs4** and **requests**.  
Preprocessed and normalized the extracted data texts by removing HTML tags, special charaters and irrelevant information.  
Computed a **Random Forest classifier (0.74 accuracy)** and optimized the model by tuning the **hyperparameters**, computing **rolling averages** and evaluation metrics such as accuracy and precision to assess the model effectiveness.
- Fly High (Team of 4) / [Github](#):**  
To develop a game using **PyGame** in which players can navigate around obstacles, dodge opposing spacecraft, and fire shots.  
Implemented core mechanics of the game, including vertical motion, obstacle detection, bullet firing and enemy spacecraft behaviour.  
Employed a **scoring system** to track player's progress and awarding points based on successful navigation through obstacles or enemies.

## Honors and Awards

- Ranked **3rd** in Dreaming in Neon, A Game Development event organised by Presidency University, Kolkata. [Link](#)
- Won Internal Hackathon of **Smart India Hackathon 2023** from IEM, Kolkata.
- Scored **1st** in 'Introduction to Machine Learning': An online course offered by IIT Kharagpur. Score: 90% [Link](#)
- Secured the **4th position** in Kharagpur Data Science Hackathon 2023 at Kshitij, IIT Kharagpur.
- 5 star Coder** in HackerRank(Python)
- Winner of Inter-departmental college football tournament in March-2022

## Volunteer Experience

- GitHub Core Team Member at Diversion IEM** Kolkata, India  
*Managed access to Github and for sending notifications which helped 200+ contributors.* *Nov 2022 - Mar 2023*
- Organizing Team Member at Smart Maker Festival IEM** Kolkata, India  
*Organized ML-related events and conducted workshops for the students of IEM* *August 2022 - Present*