Ankur Chanda

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Other Links

Education

- **Institute Of Engineering and Management** — Kolkata, India
  Bachelor of Technology - CSE(specialization in AIML); CGPA: 9.11 — November 2021 - August 2025
  Courses: *Data Structures, Database Management, Machine Learning, Algorithms, OS, 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, 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 — May 2023 - Present
  - **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 25 percent in detection accuracy through algorithmic enhancements.
    Tools used: Python, Git, Ruptures, bocd, KL-CPD

- **National University of Singapore, Singapore** — On-site
  Exchange Student and Undergraduate Research Intern — August 2022 - August 2022
  - **Under the Study Abroad Program (SAP) I've attended sessions offered by corporate and academicians on different aspects of the technology for 5 days.**:
  - **I've made PowerPoint presentations on the learnt topics and received the course completion certificate. Currently I'm working on building projects on their given ideas.**:
    Tools used: Python, Orange

Projects

- **Banking Management System**:
  Constructed a database system using Python programming language and MySQL to collect data from users(Account name, Phone no., Address) through console and feed it to the MySQL database using mysql.connector.
  It allows the user to perform various banking operations such as creating an account, depositing money, withdrawing money, checking the account balance, and closing an account.

- **Fly High (Dreaming in Neon)**:
  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
- Scored 75 percentage in 'Python for Data Science': An online course oddered by IIT Madras. Link
- 4 star Coder in HackerRank(Python)
- Winner of Inter-departmental 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. — January 2023 - Present

- **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