

# Chinmay Sachan

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## SKILLS

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- **Languages:** C/C++, J A V A, JavaScript, Python
- **Frameworks:** HTML, CSS, NumPy, Pandas, Scikitlearn, Matplotlib
- **Tools/Platforms:** MySQL, MongoDB, VS Code, Git, GitHub, Docker, Power BI
- **Soft Skills:** Collaborative Mindset, Adaptability, Leadership, Responsibility, Ownership

## PROJECTS

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### Mental Health Simulator (Java, OOP)

November 2025

- Developed a console-based mental health simulation application using Java and Object-Oriented Programming principles.
- Designed interactive features that assess user mood and provide supportive responses to help improve emotional state.
- Applied OOP concepts such as encapsulation, inheritance, and modular design for maintainable code structure.
- Focused on user-centric design to simulate basic emotional support interactions. .

### EDA And Global Co2 Visualizer(Python, Data Science)

March 2024

- Performed exploratory data analysis on global CO<sub>2</sub> emissions data to identify trends, patterns, and anomalies.
- Utilized Python libraries such as Pandas, NumPy, Matplotlib, and Seaborn for data cleaning, analysis, and visualization.
- Developed interactive and insightful visualizations to compare emissions across countries and time periods.
- Derived key insights to highlight environmental trends and support data-driven understanding of climate impact.

## TRAINING

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### Data Structures and Algorithm using JAVA | Cipher School

July 2025

- Learned core Java, OOPs concepts, and major data structures (Arrays, Linked Lists, Stacks, Queue, HashMap, Trees) along with searching and sorting algorithms.
- Engineered a Library Management System as a hands-on DSA project applying real problem-solving concepts.
- Implemented efficient features using DSA – HashMap for quick book/user lookup, Queues for borrow requests, Stacks for activity logs, and sorting/searching for book retrieval.

## CERTIFICATES

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- Java Programming – iAmNeo EdTech May 2025
- Hardware and Operating Systems – IBM December 2024
- Data Structures and Algorithm  
- iAmNeo EdTech December 2024
- Computer Communications– University of Colorado November 2024
- Bits and Bytes of Computer Networking – Google September 2024
- Crash Course in Python– Coursera May 2024

## ACHIEVEMENTS

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- Participated in the 3-Day Open-Source Kickoff conducted by Synex, LPU, focused on open-source contribution and collaborative development. November 2025
- SPEEDATHON at IEEE Day 2025, organized by IEEE GTBIT SB and Delhi Technological University (DTU) October 2025
- Smart India Hackathon 2025 (Gear Up Season 4) October 2025
- Secured 3rd place in Code-A-Haunt Hackathon 2024 for developing an interactive cultural website. .

## EDUCATION

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- **Lovely Professional University** Punjab, India  
*Bachelor of Technology - Computer Science and Engineering; CGPA:7.1* Since August 2023
- **Puranchandra Vidyaniketan** Uttar Pradesh, India  
*Intermediate; Percentage:83.01 %* April 2022 - March 2023
- **KDMA World** Uttar Pradesh, India  
*Matriculation; Percentage:74.17 %* April 2020 - March 2021