

CHANDRANGSHU SARKAR

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Data & AI Profile

MCA student with strong foundations in Python, Data Engineering, and Machine Learning. Skilled in SQL, Pandas, NumPy, Statistics, and building ML-driven systems with strong CS fundamentals. Seeking entry-level roles in Data Engineering, Data Science, and AI.

Education

Master of Computer Applications (MCA), VIT–Bhopal 2024–2026
CGPA: 8.3 (Current)

B.Sc. (Hons.) Computer Science, New Alipore College (University of Calcutta) 2020–2023
CGPA: 8.1

Technical Skills – Data & AI

Programming & Data: Python, SQL, NumPy, Pandas, Data Structures & Algorithms

Machine Learning: TensorFlow, CNN, OpenCV, Supervised Learning Basics


Statistics: Mean, Variance, Correlation, Probability

Data Engineering Concepts: ETL, Data Cleaning, Data Pipelines (Basic)

Databases: MySQL, MongoDB

Tools: Git, GitHub, VS Code, PyCharm

Data & AI Projects

ImagiGen – AI-Powered Text-to-Image Generator (SaaS App)  Mar 2025 – Present

Tech Stack: MERN, ClipDrop API, Stripe, Tailwind CSS

- Built a full-stack AI text-to-image SaaS platform with secure authentication serving **100+** users.

- Integrated third-party AI APIs and payment gateway, achieving **95%** successful transaction rate.

Multi Object Detection and Tracking  | Calcutta University Nov 2024 – Jan 2025

Tech Stack: Python, OpenCV, TensorFlow, CNN, Kalman Filter

- Built an end-to-end computer vision pipeline including preprocessing, CNN-based classification, and Kalman filter tracking.

- Processed real-time video streams using Python and OpenCV for optimized inference performance.

- Improved tracking stability and prediction accuracy using motion estimation techniques.

Positions of Responsibility

Computer Science Instructor, UrbanPro  Jun 2023 – Present

- Mentored 55+ students in Python, Java, and DSA; improved student performance by **60%**.

- Delivered customized lesson plans and hands-on coding exercises.

Backend Node.js Intern, Talentrise Technokrate Pvt Ltd (Nagpur) May 2025 – Aug 2025

- Engineered secure backend routes with Joi validation to ensure robust data integrity.

- Implemented Passport.js authentication with cookies, strengthening application security.

- Optimized MongoDB schemas and API integrations to enhance backend performance.

Honours & Awards

Winner – Code Combat, University of Calcutta  Apr 2024

Led team “Koders” to first place in a state-level hackathon; developed an AI solution that improved efficiency by **25%**.

Competitive Coding Achievements

- LeetCode: Solved **125+** problems (68–79 percentile).

- GeeksforGeeks: Solved **150+** problems, Coding Score 577, Rank 1330.

Certifications

Azure: Create a REST API using NodeJS Serverless Functions (2025)

Full-Stack Web Development — Apna College (2025)

SQL for Data Analytics — Great Learning (2025)