



SRIJAN ROY

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linkedin

Github

Portfolio

PROFILE

I am a passionate Computer Science & Engineering student at IEM, Kolkata, with a strong interest in Artificial Intelligence, Machine Learning, and Data Science. Dedicated to leveraging cutting-edge technologies to drive innovation, I aspire to solve complex problems through AI and ML advancements.

EDUCATION

Institute of Engineering & Management, Kolkata

April 2022-Present

Bachelor of Technology in Computer Science and Engineering

CGPA: 8.82

- **Coursework:** Computer Architecture, DAA, DSA, Operating Systems, DBMS, Computer Networks, Cybersecurity, Cloud Computing, Python, Java, C++, Artificial Intelligence and Machine Learning, Generative AI

Calcutta Airport English High School (H.S.) , Kolkata 2022

April 2020- March

Class 11 and Class 12 Higher-Secondary Education

WBCHSE : 89.4

Calcutta Airport English High School (H.S.) , Kolkata

April 2008- March 2020

primary school, High school

WBBSE : 78.57

EXPERIENCE/PROJECTS

Multi-Agent Simulation for Smart Cities

Developed a Multi-Agent Smart City Simulation using Agentic AI frameworks like AutoGen and CrewAI. The system includes 9 specialized agents managing traffic, energy, healthcare, pollution, and safety. Integrated generative AI for prediction, coordination, and visualization. Deployed with Streamlit for real-time interaction and decision-making.

Project on Android Job Portal System Website

Developed an Android-based Job Portal System website that streamlines the recruitment process by connecting job seekers with employers, offering efficient job search, application management, and real-time updates.

Project on Personalized Music Player Web App

A personalized Spotify-style music player app built with Python, Streamlit, and Pygame. It supports music playback, favorites, recently played, playlist creation, user profile customization, theme switching, and a floating mini player. Styled with a modern UI and integrated with social links. Deployment in progress—training with a larger dataset and adding advanced features.

CERTIFICATIONS/INTERNSHIPS

CERTIFICATIONS

- I have certifications from Coursera, LinkedIn, and Udemy on the topics Cybersecurity, Artificial Intelligence and Machine Learning and Internet of Things (IoT).

• INTERNSHIPS

- 1. Completion of 1 month internship at CodeAlpha on Machine Learning.
- 2. Completion of 1 month internship at Unified Mentor on Machine Learning.
- 3. Completion of 1 month internship at Intern Certify as Python Developer.
- 4. Completion of 1 month internship at Prodigy Infotech on Generative AI

SKILLS

Programming Languages - C++, C, Python, Java**Database** - SQL, Oracle**Problem Solving** - Data Structures and Algorithms, System Design**Technologies** - Machine Learning, Artificial Intelligence, Agentic AI, Generative AI, Natural Language Processing (NLP)