

SRIJAN ROY

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linkedin

Github

Portfolio

PROFILE

I am a passionate Computer defence & Engineering student at IEM, Kolkata, with a strong interest In Artificial Intelligence, Machine Learning, and Data defence. 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: 70/100

- **Coursework:** Computer Architecture, DAA, DSA, Operating Systems, DBMS, Computer Networks, Cybersecurity, Cloud Computing, Python, Java, C++

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

April 2020- March 2022

Class 11 and Class 12 Higher-Secondary Education

WBCHSE : 90/100

Calcutta Airport English High School EH.S.) , Kolkata

April 2008- March 2020

primary school, High school

WBBSE : 80/100

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 Emotion Recognition From Speech using Machine Learning

This project aims to recognize human emotions from speech using machine learning algorithms. By analyzing vocal features such as pitch, tone, pace, and intensity, the model classifies speech into various emotional categories such as happiness, sadness, anger, fear, surprise, and neutral.

CERTIFICATIONS/INTERSHIPS

CERTIFICATIONS

- I have certifications from Coursera, linkedin, and udemy on the topics Cybersecurity, Artificial intelligence and Machine learning and Internet of things (IOT) .

INTERSHIPS

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)