Sudipta Sarkar

Kolkata, West Bengal, India

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Professional Summary

Final-year B.Tech student in Computer Science and Technology at Narula Institute of Technology. Passionate about Machine Learning and Web Development with hands-on experience in ML techniques like linear regression and its types. Skilled in building responsive web applications using HTML, CSS, and JavaScript. Interested in applying technical skills to develop practical and innovative solutions.

Technical Skills

- **Languages:** C , Python , Java
- **Front end:** HTML , CSS , JS
- **Libraries:** NumPy, Pandas, Scikit-learn, OpenCV
- **Databases:** MySQL
- **Tools:** Git, GitHub

Projects

Fabricanova: Reinventing Style with AI   *LLM, RAG, HTML, CSS, JS, Supabase*

- Fabricanova is a full-stack, AI-powered fashion design platform that leverages Retrieval-Augmented Generation (RAG), modern web technologies, and advanced language models to create an innovative fashion design experience

PixelCraft   *HTML,CSS,JavaScript,OpenCV*

github.com/itzsudipta/PixelCraft

- Created web-based image editor with real-time processing for crop, filter, and transformation operations

GitRAG   *LangChain, FAISS, GitHub API*

github.com/itzsudipta/GitRAG

- Engineered RAG system for intelligent code analysis with semantic search across GitHub repositories

Education

Narula Institute of Technology, Kolkata
B.Tech in Computer Science and Technology   *Oct 2023 – Appearing*
GPA: 8.45

BPC Institute of Technology, Krishnagar
Diploma in Computer Science and Technology   *Oct 2020 – Aug 2023*
GPA: 8.3

Chakdaha Ramlal Academy, Chakdaha
Higher Secondary (10+2)   *2019 – 2021*
Percentage: 68%

Chakdaha Ramlal Academy, Chakdaha
Secondary (10th)   *2018 – 2019*
Percentage: 67%

Certifications

- NPTEL – Database Management Systems (IIT Kharagpur)   *September 2024*
- NPTEL – Fundamentals of Artificial Intelligence (IIT Guwahati)   *October 2024*
- NPTEL – Fundamentals of Internet of Things (IoT) (IIT Kharagpur)   *April 2025*

Leadership & Activities

- Served as a core team member of the Senior Farewell Management Team, CST Department, leading event planning, coordination, and execution for 70+ participants.