Sudipta Sarkar

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

Projects

FileTracker   *React,FastAPI,PostgreSQL*

https://github.com/itzsudipta/FileTracker

- FileStacker can evolve into a SaaS-based intelligent file management system where users or organizations can sign up, upload, analyze, and manage their files securely via the cloud, without needing any local installation

PixelCraft   *HTML,CSS,JavaScript,OpenCV*

github.com/itzsudipta/PixelCraft

- PixelCraft is a powerful, web-based image editor built with Flask and Tailwind CSS. It allows users to apply various image editing features such as Grayscale, Crop, Flip (horizontal and vertical), Resize, and more.

GitRAG   *LangChain, FAISS, GitHub API*

github.com/itzsudipta/GitRAG

- GitRAG is an AI-powered assistant that turns your Git commit history into an intelligent, searchable knowledge base. It uses a Retrieval-Augmented Generation (RAG) pipeline powered by Gemma-2B, FAISS, and LangChain to answer natural language questions about your repository's past.

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.