

Souvik Saha

I am Souvik Saha, a passionate and detail-oriented BTech student in Electronics and Communication Engineering at Techno Main Salt Lake (2022–2026). I have strong foundations in Java, ANSI SQL, HTML/CSS/JavaScript, and problem solving. I have a strong interest in Machine Learning and Frontend Development. I have hands-on experience with Java, Python, and JavaScript and I've also worked on projects in Machine Learning, comfortable with OOP, DBMS, and writing efficient SQL queries. I'm always eager to learn, explore new technologies, and contribute to real-world projects.



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📞 7363982866

📅 s0uviksaha.github.io/My-Portfolio/

🐙 github.com/S0uviksaha

EDUCATION

B.Tech

Techno Main Salt Lake

06/2022 - Present

Courses

- ECE

8.06

Higher Secondary

Satgachia High School (H.S.)

2018 - 2020

90%

Secondary

Satgachia High School (H.S.)

2012 - 2018

91%

PERSONAL PROJECTS

FraudNet AI - Fraud Detection System (06/2025 - Present)

- Built FraudNet AI, a Python/Streamlit app using neural networks for real-time financial fraud detection, delivering high-accuracy alerts with an intuitive, cyberpunk-inspired interface and responsive user experience.
- Evaluated model using **accuracy, precision, recall, F1-score**
- Achieved **95% accuracy** on test set, however, identified significant class imbalance where minority class had **0.94 recall but only 0.02 precision**.
- Project Demo: <https://fraudnet.onrender.com/>
- Github Link: https://github.com/S0uviksaha/Fraud_Transaction_Detector

Hospital-Management-System (04/2025 - 05/2025)

- It is a desktop-based management system to manage patient records, staff details, room allocation, and departmental data.
- **Role:-** Implemented **Object-Oriented Programming principles (encapsulation, inheritance, polymorphism, abstraction)** for different classes. Designed and integrated **SQL database** for storing and retrieving patient, staff, and hospital records efficiently.
- Github Link: <https://github.com/S0uviksaha/Hospital-Management-System>

AI ChatBot - A sleek, responsive, and modern frontend for an AI chatbot built using HTML, CSS, and JavaScript. (07/2024 - 09/2024)

- Project Demo: <https://s0uviksaha.github.io/ChatBot/>
- Github Link: <https://github.com/S0uviksaha/ChatBot>

WORK EXPERIENCE

Java Developer Intern | Academy of Skill Development
| June 2025 – July 2025

Designed and implemented core Java applications, applying OOP concepts (inheritance, polymorphism, encapsulation) and conducting unit testing to ensure reliability and scalability.

06/2025 - 07/2025

<https://certificates.asd.org.in/generate/80067>

SKILLS

Programming Languages: Java, Python,

Web Development: HTML5, CSS3, JavaScript, ReactJS

Databases: MySQL

Tools: Git, Github, VS Code

Concepts: OOP, DBMS, API Integration

Machine Learning: NumPy, Pandas, Scikit-Learn, Matplotlib

ACHIEVEMENTS

Solved 100+ LeetCode problems in Java (Arrays, Strings, Hashing, Stack/Queue, Linked Lists, Trees/Graphs, DP, Greedy); maintained 70%+ acceptance (11/2024 - Present)

https://leetcode.com/u/SOUVIK_SAHA_/

CERTIFICATES

2025 Complete Python Bootcamp from Zero to Hero in Python

Link: <https://www.udemy.com/certificate/UC-df7889ac-310e-4ac6-8ad5-a283f5af0de4/>

The Complete Full-Stack Web Development Bootcamp

Link: <https://www.udemy.com/certificate/UC-937815a8-1cb6-438d-a502-1caead08329/>

LANGUAGES

English

Professional Working Proficiency

Hindi

Limited Working Proficiency

Bengali

Native or Bilingual Proficiency