

Sourya Adhikary

adhikarysourya@gmail.com | +91 7439928541 | Kolkata | [GitHub](#) | [LinkedIn](#)

CAREER OBJECTIVE

Aspiring Robotics, Machine Learning, and Web3 Engineer with strong problem-solving skills, experienced in developing healthcare platforms, smart contracts, and ML applications. Seeking opportunities to apply technical expertise in real-world impactful projects.

WORK EXPERIENCE

- Hack-Heritage 2.0**

Heritage Institute of Technology, Kolkata

Built an ML-based fall detection & prediction device to alert users and send automated emergency notifications.

Sep 2024
- Hack-Heritage 3.0**

Heritage Institute of Technology, Kolkata

Developed a blockchain-backed collaborative healthcare platform with appointment booking, doctor-patient interactions, outbreak reporting, and chatbot integration.

Aug 2025

EDUCATION

- B.Tech, Computer Science s Engineering**

Heritage Institute of Technology

YGPA - 9.8

2023 - 2027

CERTIFICATIONS

- Neural Networks and Deep Learning**

Aug 2025 - Present

Deeplearning.ai, Virtual

Blockchain And WEB3 Development With Solidity And JavaScript

Jul 2025 - Present

Freecodecamo.org, Virtual
- Supervised Machine Learning Classification**

Mar 2025 - Apr 2025

IBM, Virtual

Supervised Machine Learning Regression

Dec 2024

IBM, Virtual
- Exploratory Data Analysis for Machine Learning**

Nov 2024 - Dec 2024

IBM, Virtual

PORTFOLIO

[LeetCode link ↗](#)
[Hacker Rank link ↗](#)

PROJECTS

- [Fall Detection and Prediction Device ↗](#)**

Mar 2025 - Apr 2025

A decision tree model-based hardware device which can not only detect also predict fall and send alert accordingly to mobile via SMS or to the app through Bluetooth along with the GPS location
- [Sign language Detection ↗](#)**

Jan 2025

A sign language detection model which can detect 3 types of sign language based off the shown gesture

[Well Nest ↗](#)

Aug 2025 - present

Developed a collaborative healthcare platform enabling appointment booking, provider interactions, blockchain-validated outbreak reporting, event hosting, blogs, and chatbot assistance. Integrated crypto and normal rewards for event donations and contributions.

[Ethereum smart contract Lottery ↗](#)

Jul 2025 - Aug 2025

Built a decentralized smart contract lottery using Chainlink VRF and Automation, ensuring fairness and automation in winner selection.

[Basic Crypto Wallet ↗](#)

July 2025

Built a custom basic crypto wallet which can make transactions based on the provided amount and private key

SKILLS

- **Programming:** Python, C, C++, Java, JavaScript
- **Web & Blockchain:** React, Node.js, Express.js, MongoDB, Solidity, Web3, MySQL
- **ML & Tools:** Machine Learning, Arduino, Fusion 360

EXTRA CURRICULAR ACTIVITIES

- Handicrafts
- Gaming
- 3d designing