

ADITYA KUMAR

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SUMMARY

- Web Developer & Software Engineer passionate about building scalable, efficient, and user-friendly web applications.
- Skilled in React.js, Node.js, SQL, Python, and full-stack development. Strong problem-solving abilities with hands-on experience in API integration, database management, and deployment.

SKILLS

- **Programming Languages:** Python, C, C++, HTML, CSS, JavaScript
- **Frontend:** React.js, Bootstrap, jQuery, EJS
- **Backend:** Node.js, Flask, Express.js, REST APIs
- **Databases:** SQL, PostgreSQL
- **Data Science & Automation:** Pandas, NumPy, Matplotlib, Web Scraping
- **Tools & Platforms:** Git, GitHub, Bash, Postman, Windows, Linux
- **Basic Knowledge:** Web3, NFT Minting, Token Contracts
- **Soft Skills:** Leadership, Teamwork, Problem-Solving, Communication

EDUCATION

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|---|------------------------|
| • Sister Nivedita University | Kolkata, India |
| Bachelor of Technology- Computer Science and Engineering | August 2021- July 2025 |
| Courses: Operating Systems, Data Structures, Analysis of Algorithms, Artificial Intelligence, Machine Learning, Databases | |
| • St. Thomas High School | Kolkata, India |
| 12th – Science | May 2018 - May 2020 |

PROJECTS

AI-Powered Recycling Assistant

- Developed a web platform using React, Node.js, and TensorFlow with a CNN model for object recognition.
- Integrated camera functionality for image uploads and geolocation-based recycling facility recommendations.
- Provided personalized recycling tips and creative reuse suggestions using AI-powered insights.
- Technologies Used: React, Node.js, TensorFlow, HTML, CSS, JavaScript

Flight Club

- Developed a web app to track and notify users of flight deals.
- Integrated Google Sheets for user input, Flight Search, and Twilio APIs for price tracking and SMS alerts.
- Technologies: HTML, CSS, JavaScript, Python, Flask, Google Sheets API, Flight search API, Twilio API.

Decentralized Finance (DeFi) Application

- Developed a DeFi app using the Motoko programming language on the Internet Computer Protocol (ICP).
- Implemented a money market protocol inspired by Compound, enabling users to lend, borrow, and earn interest on tokens.
- Created smart contracts for secure and efficient financial transactions, ensuring a seamless user experience.
- Technologies used: Motoko, ICP.

Complaining Twitter Bot

- Developed an automated Twitter bot using Python and Selenium to perform internet speed tests.
- Compared speed test results with ISP's promised speeds to identify discrepancies.
- Automated the process of tweeting complaints to ISPs when speeds fell below guaranteed minimums.
- Utilized speedtest.net for accurate speed measurements, enhancing service reliability and customer satisfaction.

ACHIEVEMENTS & CERTIFICATION

- Solved 200+ questions across Leetcode, HackerRank and HackerEarth platform.
- **Web Development Certificate (Udemy, March 2024):** Covered React, Node.js, SQL, PostgreSQL, Web3, and Dapps.
- **Python Certificate(Udemy, April 2024):** Completed an advanced Python course, mastering scripting, automation, and data science tools.