

# Alina Roy

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## Summary

Enthusiastic and tech-driven Computer Science student with strong analytical and problem-solving abilities with organizational skills and foundational technical proficiency. Demonstrated capacity to work independently and in collaborative team environments, seeking opportunities to contribute and grow as a software professional.

## Education

Pursuing **B.Tech in Computer Science and Engineering**

**2022-2026**

*Dr. Sudhir Chandra Sur Institute of Technology & Sports Complex, Dum Dum, Kolkata*

*CGPA: 8.05/10*

**12<sup>th</sup> Science** from **CBSE**, Ashok Hall Girls Higher Secondary School, Kolkata with **84.33%**

**2022**

**10<sup>th</sup> ICSE**, Carmel School, Dhanbad with **89%**

**2020**

## Projects

**QuickAI (SaaS) - AI-Powered Content Generation Platform** | [LIVE](#)

- Built a full-stack SaaS platform using PERN stack and Tailwind CSS, by integrating Gemini API for advanced AI-powered functionalities.
- Developed various AI tools including article generation, image creation, resume review, and other creative content tasks.
- Implemented **secure authentication using Clerk** and introduced a **pricing model** with both **free and subscription-based plans**, ensuring safe user access, scalability and maintaining a seamless history for storing past creations.

**BookWormz – Online Bookstore Web Application**

- Developed a full-stack bookstore application using the MERN stack with secure user authentication and RESTful API integration.
- Designed a responsive and interactive UI with Tailwind CSS and DaisyUI, including theme toggling and a dynamic book carousel.
- Tested and debugged APIs while managing data with MongoDB/Mongoose, ensuring reliable backend functionality and efficient, secure storage of book and user information.

**Smart Irrigation System**

- Practical working model based on IoT. Senses soil moisture and automatically regulate water based on soil moisture %.
- Back up website with smart pump control turns on/off automatically based on optimal soil moisture levels for fail over or power cut.

## Technical Skills

**Languages:** JAVA, C, Python

**Operating System:** Windows, macOS, Linux

**Tools & Frameworks:** Git, GitHub, Postman, MongoDB Compass, Node.js, Next.js, Express.js Tailwind CSS

## Experience

**Frontend Developer/ ansvalue.com – Kolkata,India**

**09/2024-11/2024**

*Freelancing*

- Implemented responsive web design for mobile devices using HTML, CSS, JavaScript and Bootstrap framework.
- Deployed websites to staging servers for testing prior to production release.

## Awards & Certifications

- **IBM Data Science** training from **Coursera**.
- **Google Crash Course in Python** training from **Coursera**.
- BCT training on **Internet of Things (Iot)** from **Ardent Computech pvt. Ltd**
- BCT training on **MongoDb** from **Euphoria GenX**.
- Attended a **workshop by Logic Learn** on building a **read-only CRUD application from scratch to deployment** using **Node.js and AWS**.
- Runner up in **project competition** held by department of CSE & CSE(AIML) for the project **Smart Irrigation System**.