

# ANKIT ROY

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## PROFILE

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**Analytical and solution-oriented developer with a strong interest in software engineering and algorithmic problem solving.** Experienced in applying programming and core computer science concepts to design efficient and maintainable solutions. Comfortable learning new technologies quickly and working in collaborative development environments. Motivated to continuously improve technical skills while contributing to practical, scalable software systems.

## EDUCATION

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**Jadavpur University** Nov 2024 - Present  
*Bachelor of Engineering in Information Technology* CGPA : 8.58(till 3rd Semester)  
Coursework: DSA, DBMS, OOP, OOS, CN

**Delhi Public School, Ruby Park** Percentage : 92.8%  
*All India Senior School Certificate Examination (Class XII)*

**M. P. Birla Foundation Higher Secondary School** Percentage : 96%  
*Council For The Indian School Certificate Examinations (Class X)*

## SKILLS

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**Programming Languages :** C, Java, C++, Python, JavaScript, TypeScript, SQL  
**Technologies & Tools :** React, Express, Next.js, MongoDB, Node, MySQL, Tailwind, Socket.io, Bootstrap, Pandas  
**Languages :** English(Professional), Bengali(Native), Hindi(Native)

## PROJECTS

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**RollCall** | 🐙 Github 🌐 Website

### Full-Stack Attendance Management Platform

- Built a full-stack attendance management system using **MongoDB, Express.js, Next.js, and Node.js**, enabling teachers to manage classes with secure join codes and controlled student access .
- Designed a **spreadsheet-style attendance matrix** with customizable and private columns for tracking attendance, remarks, and grading.
- Implemented **role-based workflows, CSV export/reporting, real-time notifications, and responsive dark/light UI** to improve usability across devices.

**Technologies / Tools Used :** React, Express, MongoDB, Tailwind CSS, Node.js, Next.js, Javascript, JWT

**Voxen** | 🐙 Github 🌐 Website

- Built a full-stack video streaming platform using **MongoDB, Express.js, React/Next.js, and Node.js** with **JWT-based authentication** and user profile management.
- Implemented **video upload, playback, and engagement features** including likes, comments, subscriptions, watch history, and watch-later functionality.
- Developed a **creator dashboard and live class hub** with channel analytics, content management, and community interaction through posts and threaded discussions.

**Technologies / Tools Used :** React, Express, Node.js, Tailwind CSS, MongoDB, Axios, Javascript , Typescript

**Greenlens** | 🌐 Website

- **Developed a sustainability platform that helps users track, reduce their environmental impact** through daily activity logging -rewarding sustainability through transparency and technology.
- It verifies eco-friendly actions using an **ML-based system and rewards users with Green Tokens** stored transparently on-chain.
- The app features a clean React-based dashboard that **visualizes carbon savings, token balance**, and overall progress.

**Technologies / Tools Used :** React, Node.js, Express, MongoDB, Tailwind CSS, Next.js, Python, Javascript, Typescript

## ACHIEVEMENTS

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- **Winner** of **HonourCode Hackathon** during Pravega XI(2025),organised by **IISc Bengaluru**.
- Reached **Pupil in Codeforces** with a maximum rating of **1221**.
- Reached **2 stars on Codechef** with a maximum rating of **1422**.
- **Finalist(Top 8)** of HackSprint Hackathon 2025 at **IEST Shibpur**.