Sahil Kumar Ray

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EDUCATION

Noida Institute of Engineering and Technology — Greater Noida
Bachelor of Technology in Computer Science with Specialization in Internet of Things — *July. 2022 - July 2026*
CGPA: 7.07 (5th Sem)

Indira Ideal School — Delhi, India
Class-XII CBSE Board: 82percent — *July 2022*

PROJECTS

SoundLog | *React.js, Zustand, Tailwind, Daisy UI, MongoDB, Express.js, Node.js, Git* — Link
- Designed & developed a full-stack MERN music reviewing, and rating platform.
- Developed a RESTful backend with Node.js & Express, handling secure API requests with JWT-based authentication.
- Integrated MongoDB for user data, music logs, and review storage, while leveraging the Spotify API for music-relevant data.
- Deployed the frontend on Vercel and backend on Render (achieving only a 40-second cold start).
- Integrated Cloudinary for profile picture uploads.
- Optimized a fully responsive UX/UI with Tailwind CSS, Zustand for state management, and Daisy UI components.

Readily | *React.js, Redux, MongoDB, Node.js, JavaScript, Tailwind, Git* — Link
- Full-stack bookstore application showcasing dynamic book management and user interaction.
- Built using React for a highly responsive and dynamic user interface.
- Redux implemented for efficient state management, ensuring seamless data flow across components.
- Backend powered by Node.js and MongoDB, enabling seamless CRUD via RESTful APIs with Google Auth 2.0 for external authentication.
- Deployed on Vercel, ensuring fast and reliable global accessibility.

Portfolio Website | *NextJS, Tailwind, TypeScript, CSS, Git* — Link
- Modular structure leveraging reusable components for streamlined development and maintenance.
- Utilizes SWR (stale-while-revalidate) for efficient data fetching, leveraging the Last.fm API to fetch my logged music data.
- Renders dynamic content using MDX bundled with JSX for an efficient and optimized web page.
- Developed with Next.js and hosted on Vercel, ensuring fast performance and easy deployment for a smooth user experience.

Weather App | *React.js, Tailwind, Rest API, JavaScript, HTML, CSS, Git* — Link
- Developed a web application serving a REST API with React as the frontend
- Integrated the OpenWeatherMap API to fetch real-time weather data based on user input.
- Implemented robust error handling with Axios and react-toastify for better user experience
- Designed a mobile-friendly interface using Tailwind CSS, ensuring the application is accessible and visually appealing across various device sizes

CERTIFICATIONS

- **Python for Data Science, AI and Development**
- **Introduction to Artificial Intelligence (AI)**
- **The Complete 2024 Web Development Bootcamp**
- **IoT Devices**

TECHNICAL SKILLS

Languages: Java, JavaScript, TypeScript, Python, C, MongoDB, MySQL, HTML/CSS
Frameworks: React, Nextjs, Node.js, Express.js, Tailwind CSS, Rest API, Material-UI, Bootstrap