

# Shubhrajit Sadhukhan

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## EDUCATION

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<b>Indian Institute of Information Technology, Ranchi</b> <i>BTech in Computer Science and Engineering (AI&amp;DS); CGPA 8.66</i>	Ranchi, India 2023 – 2027
<b>Army Public School, Barrackpore</b> <i>CBSE 10+2</i>	Kolkata, West Bengal 2011 – 2023

## PROJECTS

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<b>MealMap</b>   <i>React, Firebase, Mapbox</i>	2024
<ul style="list-style-type: none"><li>Developed a web application where donors can donate food and NGOs or individuals in need can locate nearby food resources using Mapbox</li><li>Built the backend by deploying a Node.js environment on Firebase Functions and used Firebase Cloud Messaging (FCM) to send push notifications of nearby donations instantly.</li><li>Built a PWA using Workbox and also set up CI/CD using github actions</li></ul>	
<b>josaa-cutoffs</b>   <i>HTML, Bootstrap, Javascript, Sqlite, Web scrapping</i>	2023
<ul style="list-style-type: none"><li>Developed a user-friendly website to display jee cutoffs with custom filters</li><li>Scrapped the data from the official website, then imported it into a local sqlite database and queried it using sql.js</li><li>Achieved around 3000 users during May-June 2024, with an average engagement time of 2 minutes (according to Google Analytics)</li></ul>	
<b>cli Chatbot</b>   <i>OpenAI API, Node.js</i>	2024
<ul style="list-style-type: none"><li>Used OpenAI api to generate responses based on user input using the gpt-3.5-turbo model</li><li>It maintains a chat history to provide contextually relevant responses</li></ul>	
<b>Visual-Tower-of-Hanoi</b>   <i>Python</i>	2024
<ul style="list-style-type: none"><li>Implemented the classic Tower of Hanoi problem using recursion</li><li>Created a visual representation of the disks using ASCII art, that allows users to observe each step by pressing Enter</li></ul>	

## TECHNICAL SKILLS

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**Languages:** Python, JavaScript, HTML, CSS, SQL  
**Frameworks:** Express.js, Bootstrap, Mongoose  
**Libraries:** React, React Native, NumPy, Matplotlib  
**Developer Tools:** Git, Docker, Firebase

## ACCOMPLISHMENTS

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Participated in Smart India Hackathon 2024