

# Shubhrajit Sadhukhan

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🌐 [linkedin.com/in/shubhrajit-sadhukhan](https://www.linkedin.com/in/shubhrajit-sadhukhan) 🐙 [github.com/Sbrjt](https://github.com/Sbrjt) 📁 Portfolio

## EDUCATION

<b>Indian Institute of Information Technology, Ranchi</b> <i>BTech in Computer Science and Engineering (AI &amp; DS); CGPA 8.9</i>	Ranchi, India 2023 – 2027
<b>Army Public School, Barrackpore</b> <i>CBSE 10+2</i>	Kolkata, India 2011 – 2023

## EXPERIENCE

<b>Smart India Hackathon</b> <i>Government organized hackathon</i>	Oct 2024
<ul style="list-style-type: none"><li>Collaborated in a 6-member team to develop a healthcare management system that streamlined hospital operations and improved patient care.</li><li>Managed Firebase for backend services like hosting, authentication and cloud functions.</li><li>Built the flagship e-prescription feature featuring searchable medicine database, dosage input, automated PDF generation, and integration with patient records.</li><li>Delivered a functional prototype in under 24 hours, leading to the team being shortlisted at the college level.</li></ul>	

## PROJECTS

<b>MealMap</b>   <i>Express, MongoDB, Next, Mapbox</i>	2025
<ul style="list-style-type: none"><li>Developed a web application to connect food donors with NGOs or individuals in need</li><li>Utilized Mapbox for an intuitive map interface enabling donors to easily drop their location and details on map and NGOs to see donors within their vicinity</li><li>Used Web Push API and geospatial queries in MongoDB to send real-time notifications of nearby donations</li><li>Deployed on Render with 100% uptime, zero cold starts, CDN-backed frontend, scalable backend services, and auto-deploy on push via GitHub</li></ul>	
<b>Overleaf Resume Syncer</b>   <i>Github Actions, Python, Selenium</i>	2025
<ul style="list-style-type: none"><li>Built a Github Action to auto-sync and publish resume pdfs from Overleaf</li><li>Published the workflow as a composite action to allow easy reuse in other repos</li><li>Reduced action runtime by 50% by diffing latex source file and caching python dependencies</li></ul>	
<b>College Predictor</b>   <i>HTML, Bootstrap, Javascript, SQLite, Web scrapping</i>	2024
<ul style="list-style-type: none"><li>Crafted a user-friendly website to display JEE cutoffs with custom filters</li><li>Scraped and processed 10,000+ entries from the official JoSAA website and stored them in a local sqLite database</li><li>Enabled client-side querying with sql.js, delivering instant results with zero server load</li><li>Attracted 3000 users during May-June 2024, with an average engagement time of 2 minutes (according to Google Analytics)</li></ul>	

## TECHNICAL SKILLS

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

## ACHIEVEMENTS

- Earned 2 stars rating on CodeChef, demonstrating proficiency in competitive programming
- Solved 150+ problems on LeetCode, showcasing strong problem-solving skills and algorithmic thinking
- Secured 38th college rank in Naukri's EROH Contest