

# Rahul Sarkar

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## EDUCATION

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<b>Jadavpur University</b> <i>Master of Computer Application</i>	Oct 2023 – July 2025 SGPA 8.49
<b>Vidyasagar College (Calcutta University)</b> <i>BSc Computer Science</i>	Feb 2020 – July 2023 SGPA 8.5

## TECHNICAL SKILLS

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**Languages:** JavaScript, Typescript, Java, Go, C

**Frontend:** HTML, CSS, React.js, Next.js, Redux toolkit, Tailwind CSS, Vue.js, Nuxt.js, Zustand, ShadCN, Material-UI, Bootstrap

**Backend, Database & API:** Node.js, Express, JWT, MongoDB, Firebase, SQL, REST API, Redis

**Developer Tools:** Sentry, Netlify, Vercel, Docker, GitHub actions, Jest, AWS (EC2, S3, Beanstalk, ECS), Git, GitHub

## EXPERIENCE

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<b>Digiliyo Technologies</b>   <i>Frontend Developer Intern</i>	Apr 2022 - June 2022
<ul style="list-style-type: none"><li>Utilized modern web development principles to build responsive, interactive React.js components, collaborating with the design team for seamless UI integration and enhanced UX</li></ul>	
<b>Cyber Defence Solutions</b>   <i>Full Stack Developer Intern</i>	Aug 2022 – Jan 2023
<ul style="list-style-type: none"><li>React UI by converting class components to functional components for better readability and maintainability. Implemented Node.js and Express.js backend, integrated with React via <b>REST APIs</b>, and containerized with Docker for streamlined deployment and scalability.</li></ul>	
<b>Iotron Technologies</b>   <i>Frontend Developer Intern</i>	Feb 2023 – Oct 2023
<ul style="list-style-type: none"><li>Leveraged Nuxt.js to manage routing, state, and server-side rendering, ensuring optimal performance and SEO, with Chrome Lighthouse scores averaging <b>97</b>. Integrated <b>PWA</b> functionality, enabling cross-platform downloadability for improved accessibility and user engagement.</li></ul>	

## PROJECTS

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<b>JECA360.com</b>   <i>Next.js, Node.js, Razorpay, Firebase, AWS, Docker</i>	<a href="#">Live</a>   Apr 2024
<ul style="list-style-type: none"><li><b>EdTech platform</b> enabling students to take mock tests, performance analysis, dynamic leaderboard and an inbuilt IDE (Under development)</li><li>Achieved user engagement metrics with over <b>350+</b> registered users, <b>1.2k+</b> unique visitors, <b>20k+</b> page views and <b>35k+</b> event counts.</li></ul>	
<b>Healthmate</b>   <i>Next.js, Socket.io, Firebase, Flask, Scikit-learn, Numpy</i>	<a href="#">GitHub</a>   Jan 2024
<ul style="list-style-type: none"><li><b>AI-powered</b> Comprehensive Healthcare Solution for Patients, featuring AI powered disease diagnosis, user authentication, user forums with text moderation, and one-on-one video calls (<b>Hackathon</b> project)</li></ul>	
<b>Malda Covid19</b>	<a href="#">Live</a>   <a href="#">GitHub</a>   May 2021
<ul style="list-style-type: none"><li>Website for my district to provide COVID-19 statistics, vaccine slot booking, and resources, used by <b>8,000+</b> users with <b>62,000+</b> event counts and <b>23,000+</b> views.</li></ul>	
<b>Neuroinsight</b>   <i>React.js, Node.js, Flask, Numpy, Scikit-learn</i>	<a href="#">Live</a>   <a href="#">GitHub</a>   Nov 2023
<ul style="list-style-type: none"><li><b>Dementia</b> detection using a range of machine learning models, data analysis techniques to enhance accuracy and reliability.</li></ul>	

## OPEN SOURCE & ACHIEVEMENTS

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- Secured 2nd rank in the **Synchronicity Hackathon 2024** organized by JU ACM (Team Lead) [\[View\]](#)
- Secured 2nd rank in the **Reflexons Innovation Challenge 2024** organized by Calcutta University [\[View\]](#)
- Secured 4th rank in the **CodeFiesta'22** organized by BESC
- Actively contributed to DigitalOcean's **Hacktoberfest** event in 2020, 2021 and 2022
- 600k+** content views on Quora [\[View\]](#)
- Organized **Codemia**, an inter-college coding competition in 2023