

# SRADHANJALI BARIK

## Software Engineer

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GitHub: <https://github.com/sradhanjali21/>

## PROFESSIONAL EXPERIENCE

### ClinoHealth Inovation Private Limited

Bhubaneswar, Odisha

Front-End Web Developer

September 2023 - Present

- Designed and built responsive web applications using React, Next.js, Angular, Tailwind CSS, and JavaScript to deliver high-performance systems and highly engaging UIs for healthcare solutions.
- Collaborated with cross-functional teams to define, design, and ship new features, ensuring alignment with business goals and user needs.
- Optimized applications for performance and scalability, leveraging best practices in code splitting, lazy loading, and asset optimization.
- Mentored junior developers, providing guidance on best coding practices, design patterns, and project delivery.
- Spearheaded the design and development of the complete dashboard for the Amtek - Ambulance Management and Technology Kit using React, Web Socket, and Redux, independently managing all aspects from concept to deployment. This effort led to a 25% enhancement in operational workflow efficiency, significantly streamlining processes and improving overall system performance.

### Projects:

- Moambulance.in**

Engineered a full-fledged platform using NEXT.js and Tailwind CSS that managed to handle over 5,000 monthly visitors, achieving a 25% reduction in load times and a 20% increase in user retention. Implemented SEO enhancements that led to a 30% boost in organic search traffic.

Enhanced the website's accessibility, ensuring compliance with WCAG standards, which contributed to a 15% increase in user satisfaction and a broader user base.

- HAMS – (Hospital Ambulance management system)**

Resolved critical issues using Angular.js, leading to a 40% improvement in system performance and user experience. This effort resulted in a 25% reduction in error rates and a 30% increase in user trust and satisfaction.

Integrated multiple APIs with Firebase and backend services, enhancing data accuracy by 20% and expanding the system's functionality.

Boosted system capabilities, enabling support for over 100 daily active users through effective API integration and backend optimization.

- AMTeK – (Ambulance management and technology kit)**

Developed a robust dashboard using React.js, Redus.js, Next.js, Tailwind CSS, Web Sockets, and Firebase, improving operational efficiency by 25% through real-time data management and synchronization with integrated APIs.

Engineered a platform that supported over 50 concurrent users, providing real-time updates and effectively managing a database of over 1,000 records with a reliable backend system.

Streamlined workflows for ambulance sensor management, reducing task completion times by 20% and enhancing overall system reliability.

## INTERNSHIP

### Apptimate Software Private Limited

Bhubaneswar, Odisha

Application Development Intern

March 2023 - June 2023

- Acquired expertise in cross-platform mobile application creation using React Native, enhancing proficiency by 45%, and gained experience in API integration, reducing loading times by 30%.
- Partnered with senior developers to troubleshoot and resolve 20+ critical bugs, while refining Git version control skills, decreasing code conflicts by 20%.

## UNIVERSITY PROJECT

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### Visiting Card Generator Mobile Application

- Built a mobile app using React Native that allowed users to create professional visiting cards with customizable templates.
- Implemented real-time preview and sharing options, reducing the time needed for users to design cards by 50%.
- The app was adopted by over 50 businesses, achieving a high user satisfaction rate of 90%.

## TECHNICAL SKILLS

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Programming Languages: C, Java, JavaScript, TypeScript

Web Technologies: HTML, CSS, Bootstrap, React.js, Next.js, Angular.js, Tailwind CSS, Web Socket, Redux.js

Backend Development: Node.js

Database Management: MongoDB, MySQL, Firebase

Mobile Development: React Native

Tools & Platforms: Git, GitHub, GitLab, Visual Studio Code

Version Control Systems: Git

Deployment: Netlify, Vercel, Firebase Hosting

## EDUCATION

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### NIIS Institute of Business Administration

Master of Science in Computer Science

Bhubaneswar, Odisha

2021 - 2023

### Shailabala Women's Autonomous College

Bachelor of Science in Computer Science

Cuttack, Odisha

2018 - 2021

### Christ College

12th Science (CHSE)

Cuttack, Odisha

2017 - 2018

### Saraswati Shishu Vidya Mandir

10th (BSE)

Cuttack, Odisha

2015 - 2016

## ADDITIONAL SKILLS

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- Ability to quickly adapt to new technologies and processes.
- Excellent communication skills, both written and verbal.
- Strong problem-solving and decision-making abilities.
- Effective organizational skills for managing tasks and projects.
- Adaptability in adjusting to urgent assignments.
- Customer-oriented with a focus on quality service.
- Team player with a collaborative approach.