

Ramesh Kumar Sah

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EDUCATION

Kalinga Institute of Industrial Technology
Bachelor of Technology in Computer Science

Bhubaneswar, Odisha
Sept. 2022 – May 2026

PROFESSIONAL EXPERIENCE

Software Developer Intern

Jan. 2025 – July 2025

Squid Square Startup

Remote

- Architected a robust full-stack web application using the **MERN Stack** (MongoDB, Express.js, React.js, Node.js) with a focus on scalable design and optimized performance.
- Integrated **NodeMailer** for automated transactional email services, ensuring prompt and secure notifications across multiple user endpoints.
- Implemented a dynamic tender management system using **React Native**, **Firebase**, and RESTful APIs to facilitate real-time data synchronization and efficient resource allocation.
- Collaborated in an Agile-driven environment with cross-functional teams, employing industry-standard DevOps practices and CI/CD pipelines to accelerate delivery by 25%.
- Developed reusable and modular code components, enhancing code maintainability and reducing future development overhead by 20%.

TECHNICAL PROJECTS

Malon: Advanced Salon Booking System Demo Video

React Native, Node.js, Firebase Firestore

- Engineered an integrated booking system incorporating real-time scheduling, secure user authentication, and API-based payment gateways.
- Employed **NodeMailer** for automated confirmation and reminder notifications, ensuring high engagement and system reliability.
- Utilized **Firebase Firestore** to maintain scalable and instantaneous data operations, aligning with cloud-native best practices.
- Enhanced user interaction through a refined interface and adaptive design, promoting a seamless booking experience.

E-Commerce Clothing Platform Live Site *React.js, Node.js, Express.js, MongoDB, Tailwind CSS, Material-UI*

- Developed a high-performance, responsive e-commerce solution leveraging modern JavaScript frameworks and RESTful service architecture.
- Implemented a secure backend infrastructure with **Node.js** and **Express.js**, facilitating encrypted API communications and data integrity.
- Integrated **MongoDB** for robust data storage, supporting dynamic product management and inventory tracking.
- Optimized frontend performance with **React.js** and advanced CSS frameworks (Tailwind CSS, Material-UI), ensuring cross-browser compatibility and adaptive design.
- Deployed real-time functionalities including cart management, multi-factor authentication (OTP and OAuth), and order lifecycle tracking.

CORE COMPETENCIES & TECHNICAL SKILLS

- Programming:** C, C++, JavaScript, HTML5, CSS3
- Web Frameworks & Libraries:** React.js, React Native, Node.js, Express.js, Material-UI, Bootstrap, Tailwind CSS
- Database Management:** MongoDB, Firebase Firestore, SQL fundamentals
- Tools & Technologies:** Git, Docker, Jenkins, Postman, VS Code, npm, RESTful APIs, Agile Scrum, DevOps practices
- Methodologies:** Object-Oriented Programming (OOP), Microservices Architecture, Continuous Integration/Continuous Deployment (CI/CD)
- Soft Skills:** Technical Problem Solving, Cross-Functional Team Leadership, Analytical Reasoning, Project Management