Ramesh Kumar Sah

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Professional Summary:

Results-oriented Full Stack Software Engineer specializing in end-to-end web and mobile application development. Expert in the MERN stack (MongoDB, Express.js, React.js, Node.js) and React Native, with strong programming skills in C, C++, and JavaScript. Demonstrated proficiency in designing and implementing secure RESTful APIs, responsive user interfaces (HTML5, CSS3), and scalable, modular code architectures. Recognized for rapid problem-solving, performance optimization, and collaborative software development in fast-paced environments.

EDUCATION

Kalinga Institute of Industrial Technology   Bhubaneswar, Odisha
B.Tech in Computer Science   *Sept. 2022 – May 2026*

EXPERIENCE

Software Developer Intern   Jan. 2025 – July 2025
Squid Square Startup   *Remote*
- Engineered a dynamic full-stack web application using the **MERN stack** with scalable, modular design principles and object-oriented programming techniques.
- Implemented secure, robust RESTful API endpoints and integrated **NodeMailer** for automated, transactional email notifications.
- Developed a cross-platform tender management system using **React Native** and **Firebase**, ensuring real-time data synchronization and enhanced user interaction.
- Optimized code performance and maintainability through reusable components and thorough debugging, reducing development time by 20%.
- Collaborated effectively with multi-disciplinary teams to meet stringent project deadlines and deliver high-quality software solutions.

TECHNICAL PROJECTS

Malon: Salon Booking System   Demo
- Developed an interactive, mobile-friendly booking platform featuring real-time scheduling, secure user authentication, and API-integrated payment processing.
- Utilized **NodeMailer** and third-party APIs to automate email and SMS notifications, enhancing customer engagement.
- Employed **Firebase Firestore** for efficient, scalable data management and real-time analytics.

E-Commerce Clothing Platform   Live
- Designed a responsive, high-performance e-commerce website using **React.js** and advanced CSS frameworks (Tailwind CSS, Material-UI) for optimal UI/UX.
- Built a secure backend with **Node.js** and **Express.js** incorporating OAuth-based authentication and encryption techniques.
- Integrated **MongoDB** for robust inventory management and developed comprehensive RESTful APIs for smooth data transactions.

TECHNICAL SKILLS

- **Programming Languages:** C, C++, JavaScript (ES6+), HTML5, CSS3, SQL
- **Frameworks/Libraries:** React.js, React Native, Node.js, Express.js, Material-UI, Bootstrap, Tailwind CSS
- **Databases:** MongoDB, Firebase Firestore, MySQL
- **Tools:** Git, GitHub, Bitbucket, Postman, VS Code, Linux, Bash
- **Concepts:** Object-Oriented Programming (OOP), Responsive Web Design, RESTful API Development, Cross-Platform Mobile Development