John Prakash

Full Stack Web Multiplatform Mobile App Developer

Rayavaram

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I am a passionate full-stack developer with expertise in web development, mobile app development, and database management. I thrive on creating efficient and scalable solutions using modern technologies. My experience covers frontend technologies like React, backend development with Node.js, and mobile development with both native Android and cross-platform Flutter applications. I am driven to learn, adapt, and deliver results that exceed expectations.

Education

Aditya Polytechnic College at Surampalem

Skills

- Photoshop
- **Web Development:HTML, CSS, JavaScript, React - Proficient**
- **Backend Development:Node.js,Express.js,Restful APIt**
- **Android Development:Java, XML, Android Studio - Proficient**
- **Cross Platform:Flutter, Dart, - Proficient**
- **Database Management:Firebase, SQL, MongoDB - Expert**

Work History

Tastik – Food Delivery App: Developed real-time food ordering and tracking features using React, Flutter, and Node.js with Firebase integration. Implemented secure payment processing with Cashfree Payment Gateway. The name "Tastik" combines the words "Taste" and "Fantastic," reflecting the app's goal to deliver fantastic food experiences and delicious selections to users.

Found It – Lost & Found Tracker: Built a platform for reporting and searching lost items, leveraging React and Firebase for reliability and efficiency.

Library Management System: Created an all-in-one solution for library admins and users to manage, search, and reserve books, using React, and Firebase.

Aviator – Online Betting Game: Developed a free and entertaining online betting game focused on multiplier predictions, with an emphasis on user enjoyment and smooth gameplay. Designed for performance and security to ensure a reliable and engaging experience.

Bus Tracker: Implemented real-time campus bus tracking, route mapping using React,and Google Map SDK.

Steganography Tool: Designed a web-based solution to hide secret messages inside images using the LSB algorithm.

Accomplishments

- Built a food delivery app with modern UI/UX, including secure login, **real-time** menu updates and prices, and payment integration enhancing user experience and transaction reliability.

- Implemented Firebase Realtime Database optimization, reducing data read/writes by over **30%** and improving app responsiveness for all users.

- Integrated **CashFree** payment gateway for **Tastik.** it supports webhook **for realtime** online transactions.

- Deployed a **Node.js backend on Railway and Render**, managing API endpoints to ensure scalable and reliable performance under high request loads

- Created a **lost-and-found app** for **college students**, allowing users to upload item details with photos; improved engagement by automating notifications and item verification.

Interests

- I am deeply interested in exploring how real-time technologies work, especially their application in modern digital systems and connectivity. I am also curious about the Internet of Things (IoT) and enjoy learning how various devices connect and interact in everyday environments. Additionally, I am passionate about discovering new programming languages and frameworks, which keeps me motivated and engaged with the latest trends in technology.