

RONI PAL

roniofficial41@gmail.com | +91-7602899703 | [Portfolio](#) | [GitHub](#) | [LinkedIn](#) | [Twitter](#)

Tech Skills

Android App Development – React Native

Front End Development – HTML , CSS , JavaScript

Backend Development – Node.js, Express.js

Database – MySQL , Firebase, MongoDB

Projects

[[AttenMaster App](#)] – React Native, JavaScript, Firebase, Android Studio

- Engineered a smart attendance tracking platform, improving workflow automation by 70% through structured role-based access and modular user roles.
- Enabled student self-registration with teacher-side verification, reducing manual onboarding effort by 60% and ensuring 100% authenticity across all user entries.
- Facilitated subject-wise attendance tracking for faculty, accelerating data input by 50% and enhancing classroom oversight with instant reporting features.
- Formulated tools for HODs to manage semester-wise teacher allocation and student promotion, streamlining academic planning and boosting operational control by 65%.
- Launched farewell email automation for graduating students, ensuring timely and personalized delivery of certificates and notifications with 100% accuracy.
- Spearheaded the development of user-friendly dashboards incorporating secure authentication and real-time email alerts for system events, resulting in zero unauthorized data breaches during tenure.
- Incorporated secure authentication protocols along with automated email updates for system-triggered events, increasing transparency and administrative responsiveness by 80%.

[[Weather App](#)] – HTML , CSS , JavaScript , API

- Devised a responsive weather portal with city/location-based search optimization, cutting lookup time by 25% and maintaining full data privacy.
- Integrated a dependable external API to deliver real-time temperature, humidity, wind speed, and UV index data with 98% accuracy.
- Adapted the UI with a mobile-first layout to guarantee seamless interaction across all screen sizes, boosting engagement by 15%.
- Refined visual consistency with a flexible, breakpoint-aware design that preserved readability and reduced bounce rates on small devices by 20%.

[[Live Cricket Score Provider](#)] – HTML , CSS , JavaScript , API

- Established a live scoreboard system capable of tracking over 1,000 cricket matches and fixtures, ensuring 99% uptime and scalable performance for 500+ active users.
- Outlined a responsive UI architecture to guarantee uninterrupted rendering across smartphones, tablets, and desktops under varying network conditions.
- Composed a real-time interface displaying team names, total runs, overs, wickets, and match status, refreshing data every 60 seconds for 800+ users.
- Executed robust API failure handling and fallback logic to provide uninterrupted score updates even during service interruptions or request timeouts.
- Streamlined DOM rendering and asynchronous JavaScript data synchronization, enabling lag-free performance for over 500 concurrent viewers in real-time scenarios.

Education

Srikrishna College Bagula | Kalyani University – B.Sc in Computer Science
CGPA – 7.97 in 2nd Year (2023 - 2024)

2025