

Rithul Kamesh

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PROFESSIONAL SUMMARY

Web/Embedded developer with a focus on practical application, I am poised to contribute effectively to technology-driven projects. Driven by a passion for creating efficient and user-centric solutions, I excel in translating theoretical concepts into tangible results, making me a valuable asset for collaborative and forward-thinking initiatives.

SKILLS

Expert: Rust, Web development with React, JavaScript, Backend Development with Go

Advanced: C/C++, C#, Android and iOS development with Flutter / React Native, Astro

Intermediate: Kotlin/Java, Vue, Svelte

Database Systems: PostgreSQL, MySQL, MongoDB

PROJECTS

Pomotimer (ongoing)

Designed and implemented a synchronized Pomodoro timer desk device, seamlessly blending web technologies and embedded development for enhanced productivity.

- Utilized low-power microcontrollers to manage real-time clock functions, ensuring precise timekeeping for effective Pomodoro intervals.
- Developing an intuitive web-based control panel, allowing users to customize timer settings and monitor progress remotely from any connected device.
- Enabled synchronization between multiple devices, providing a consistent Pomodoro experience and fostering collaborative productivity.
- Integrated audio and visual cues to signal the end of work or break intervals, enhancing user awareness and adherence to the Pomodoro technique.
- Crafted a compact and user-friendly device, prioritizing simplicity and efficiency to seamlessly integrate into diverse work environments.

Ideabank

Developed a command-line interface (CLI) based Idea Bank application in Rust, offering a streamlined platform for brainstorming and organizing creative concepts.

- Leveraged the Rust programming language to build a robust and efficient CLI application, ensuring optimal performance and reliability.
- Implemented a user-friendly interface for capturing, categorizing, and retrieving ideas, enhancing the brainstorming and organization process.

- Prioritized data security by incorporating local storage for confidential and sensitive ideas, ensuring user privacy and confidentiality.

EDUCATION

B.Tech, Electronics and Communication

PES University, Bangalore

August 2023 – May 2027

Secondary and High Schooling

BGS National Public School, Bangalore

June 2014 – April 2023