

Sricharan Andra

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Summary

Results-oriented developer with hands-on experience in building scalable applications using Rust, React, and backend technologies. Adept at delivering impactful open-source projects, including publishing a package to Arch Linux's AUR. Passionate about Blockchain technology and low-level systems programming

Technical Skills

Languages: Rust, TypeScript, Python, JavaScript, Java, Solidity, HTML, CSS

Technologies: ReactJS, NodeJS, ExpressJS, MySQL, Anchor

Tools: Git, GitHub, Vim, Remix IDE, Postman

Education

VIT Bhopal University, B.Tech Computer Science and Engineering

Oct 2022 - Present

- GPA: 7.58

- **Relevant Coursework:** Data Structures and Algorithms, Software Engineering, Programming in Java, Operating Systems

Projects

typewriter - Text Editor

GitHub

- Tools Used: Rust, Cargo, Crossterm
- Developed a terminal based text editor in rust, by leveraging crossterm to provide a responsive and intuitive interface like cursor management and real-time input management
- Implemented a custom terminal rendering engine to handle raw mode, screen clearing, cursor positioning ensuring a user-friendly experience with a resizable window
- Enhanced code structure with a modular design, interactive REPL, and advanced error handling for efficient text manipulation

rustybrain - ArchLinux package

GitHub

- Tools Used: Rust, Serde
- Designed and developed a robust CLI-based task management application with persistent JSON storage.
- Deployed as an AUR package, making the application accessible to the ArchLinux community.
- Optimized the UX by enabling intuitive, single command task operations eliminating the need to run the app.

radiochat - TUI Chat Server

GitHub

- Tools Used: Typescript, WebSockets
- Developed a secure, real-time socket-based TUI chat service enabling users to create and join custom chat rooms.
- Implemented a dynamic access control mechanism by designing a approval-based admission into rooms to ensure security and privacy
- Engineered seamless UX with interactive prompts for creating/joining room, message broadcasting and graceful handling of server shutdowns
- Reduced message broadcast latency by 20% using optimized websockets

Certifications

The Complete Web Development Bootcamp

Jan 2025

Certificate ID: UC-2b7ddeOe-a37f-445b-946a-34ee4ef1cdc6

NPTEL Cloud Computing

Apr 2025

Certificate ID: NPTEL24CS17S352900309