

SAI SRIKAR DUMPETI

✉ saisrikardumpeti@gmail.com

🌐 linkedin.com/in/sai-srikar-dumpeti

🐙 github.com/the-r3aper7

Education

Birla Institute of Technology

Bachelor of Science in Computer Science - 7.75 CGPA

Nov. 2022 – June 2026

Mesra, Ranchi

Experience

Qolaba.ai

Software Engineering Intern (Python, AI, ML)

August 2024 – Present

Remote

- Implemented a branching chat feature in the Chat UI using array and tree data structures in Next.js
- Developed function-calling tools like CSV analysis, code execution, and image editing capabilities in Python.
- Communicated effectively with team members, ensuring consistent contributions and project impact.

Open Source Contributions 🐙

October 2022 – Present

Contributor (over 150+ contributions across different projects and tech stacks)

- **Qwik:** Enhanced media display components and authored comprehensive technical documentation for Qwik, contributing to the framework and increasing design efficiency by 25% through expanded skills in Figma.
- **@stdlib-js/stdlib:** Developed a JavaScript utility for object property testing and integrated mathematical functions into a library, boosting unit testing accuracy by 30% with Tape and expanding ES5 skills.
- **Wagtail:** Enhanced Wagtail's user experience by migrating components to Stimulus, and acquired proficiency in Jest for testing TypeScript Stimulus controllers, improving testing efficiency by 40%.

Projects

Continental - Android Client | Jetpack Compose, Kotlin, Android Studio | 🐙

July 2024

- Engineered an Android client for Continental, a multi-store grocery comparison app, using Jetpack Compose and Kotlin which reduced APK size by 75% as compared to React Native.
- Integrated Retrofit for efficient API communication, enabling product data retrieval within 500ms.
- Integration of automatic release CI/CD pipeline using GitHub Actions, reducing app deployment time by 40%.
- Architected and deployed location support, enabling users in 50+ cities to access localized grocery pricing information.

Continental - Mashina API Service | Go, Echo

May 2024

- Built Mashina, a Go-based API service, to centralize data processing and efficiently serve multiple clients with response time of 300ms.
- Crafted RESTful endpoints for product comparison and location-based data retrieval, supporting over 50+ cities.
- Built a robust system optimized to manage up to 1,000 requests per second, ensuring high performance and scalability.

Stock Price CLI | Go | 🐙

Nov 2022

- CLI tool in Go for fetching and displaying real-time stock market data over 1500+ stocks from Yahoo Finance from all over the world.
- Implementation of an automatic updating table in the terminal to visualize stock information for multiple tickers, achieving a response time of under 1 second.
- Basic CRUD operations for managing user watchlists, with data persistence in a JSON file capable of handling over 100 entries.

Technical Skills

Languages: Python, Go, C, HTML/CSS, JavaScript, Typescript, Kotlin

Developer Tools: VS Code, Git, Markdown, Docker, Jest, Android Studio

Technologies/Frameworks: Linux, Docker, GitHub, Firebase, SQL, MongoDB, Next.js, Jetpack Compose, React.

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Data Communication
- System Programming
- Software Engineering
- Database Management
- Operating System
- Computer Architecture

Achievements

- Secured first rank in the Smart India Hackathon at college level with 6-member team.
- Contributed to Qwik Framework, a web framework designed for instant-loading applications, acknowledged in the official v1.0 release notes.
- Contributed to Wagtail CMS, with work featured in the official Wagtail 6.0 release notes.