

Mohammed Farhan

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Education

Ramaiah Institute of Technology

Bachelor of Engineering in Computer Science and Engineering

CGPA: 9.05 / 10.00 (*up to 3rd semester*)

Oct 2024 – May 2028 (Expected)

Bengaluru, Karnataka

Technical Skills

Languages	JavaScript, TypeScript, C, C++, C#
Frameworks and Libraries	Next.js, React.js, Asp.Net, Express.js, Hono.js, Node.js, Drizzle
Databases	PostgreSQL, MySQL, MongoDB, Redis
Tools	Git, GitHub, Nginx, Docker, Podman, Vercel

Projects

Hyprrwatch | C++, Hyprland IPC, Unix Sockets, ncurses

[GitHub](#)

A lightweight time tracking daemon and TUI client for the Hyprland window manager.

- Built a background daemon that listens to Hyprland IPC events to track active window changes in real time
- Implemented a client-server architecture using Unix domain sockets for communication between the daemon and TUI client
- Developed an ncurses-based terminal interface to display time spent per application with live updates

NetScribe | C, Linux Raw Sockets, Network Programming

[GitHub](#)

A command-line packet sniffer and injector for capturing and generating network traffic.

- Built a packet sniffer using Linux raw sockets to capture and parse live network traffic directly from the network interface
- Implemented packet injection for crafting and transmitting custom network packets from user space
- Benchmarked packet capture throughput at **104k packets/sec** under high-rate UDP traffic using synthetic load testing

create-light-stack | TypeScript, Node.js, Express.js, Hono.js

[GitHub](#)

A developer productivity tool that scaffolds type-safe, full-stack monorepo environments in seconds.

- Developed an opinionated CLI to scaffold full-stack TypeScript monorepos with best-practice defaults
- Automated setup for backend frameworks, databases, and developer tooling
- Reduced project setup time by standardizing configuration and improving developer productivity

Open Source Contributions

Express.js Documentation Contributor

- Fixed broken anchor links in non-English Express.js 4.x API documentation by restoring missing API sections ([#2076](#), [#2068](#))

Fumadocs

- Implemented VS Code-style `#region` extraction for MDX `<include />` code blocks ([#2791](#))

Programming Profiles

- [Codeforces Profile](#)
- [AtCoder Profile](#)
- [LeetCode Profile](#)