

Prashanth T

Skills and Familiar Technologies

Languages: C, C++, Rust, Bash, Python, Javascript, ARM-V8 Assembly.
Developer Tools: Git, Github, VS code, Emacs, Vi, Nano, npm, pip, cargo.
Networking tools: Wireshark, Nmap, Burpsuit.
Frameworks: React.js, Express.js, node.js, Next.js
Soft Skills: Communication, Critical thinking, Problem solving
DBMS: postgresql, mongoDB

Education

SNS College Of Technology
B.E Electrical and Electronics Engineering Sep. 2023 – May 2027

Data structures and algorithms, Computer networks, Computer Architecture and Organisation.

Projects

Distributed File Storage System | C++, libBoost (Asio, thread) , Mutex , Linux Jan. 2024 – Mar 2024

- Designed and implemented a distributed file storage system in C++.
- Utilized multi-threading and network programming to handle file storage and retrieval efficiently.
- Utilized hashes functions to check for integrity of the data stored across various servers.

Real-Time Chat Application | HTML, CSS, React.js, Node.js, socket.io, Sep. 2023 – Oct 2023

- Developed a real-time chat application using Node.js and Socket.io, allowing users to communicate instantly.
- Implemented user authentication and real-time message updates.
- Deployed the application on a Linux server using Docker.

Fitness Planner | HTML, CSS, Firebase, Vanilla Javascript Jan. 2023 – Feb 2023

- Developed a full-stack web application using with Firbase serving as a cloud storage
- Worked with 5+ Javascript libraries to implement various features.
- Also, utilizes 3+ different APIs for URL shortening, image fetching, contact linking
- It heavily relies on DOM manipulation for a live user interface.

ParseNuX | C, C++, Bash (POSIX) , Curl, Sep. 2021 – Nov 2021

- Created a Command-line password manager, which uses secure pseudo-random numbers
- It also stores passwords, which is encrypted by Advanced Encryption Standard (AES)
- It is a POSIX-only app as it heavily depends on POSIX interface, for its installation and updation.