

VJS Pranavasri

Aspiring Full Stack Engineer | OS Developer | DevOps Enthusiast

 vjspranav.dev  vjspranav  vjspranav  pranavasri@live.in

EXPERIENCE

THINKSKILL | BACKEND DEVELOPER INTERN

Feb 2023 - May 2023 | Remote

- Engineered a comprehensive backend system for restaurant order and tip management.
- Utilized MySQL, Express, and Node.js for system implementation.

VIRTUAL LABS | SOFTWARE DEVELOPER INTERN

May 2021 - July 2021 | Remote

- Modernized webpages from deprecated technologies (Flash, Java).
- Implemented extensible JSON validation precompilation for webpages.
- Developed a vanilla JavaScript web component for GitHub-integrated bug reporting hosted on AWS.

PROJECTS

STAG-OS | LEAD DEVELOPER & CO-FOUNDER

Oct 2018 | [source](#)

- An Operating System based on Android, with support for over 14 devices
- Over 100 thousand downloads till date
- Complete BringUp From Scratch across Multiple versions (Android 9-13)
- Lead a group of 13 people who maintain the project for their device

STAGBIN | REACT, CLOUDFRONT, AWS LAMBDA, DYNAMODB

July 2021 | [source](#) | [hosted](#)

- A pastebin created in MERN Stack
- Also acts as a online code editor with auto complete support
- Can be even used as a url shortner
- Has multiple more features like, a diff viewer, custom url support, editable
- Supports client side encryption of pastes enabling password protected shares

C - SHELL | C

September 2020 | [source](#)

- Linux Shell written from scratch in C
- Supports custom commands written.
- Has input output redirection.
- Supports piping.
- Allows background and foreground process execution

WATCH PARTY APPLICATION | SOCKET.IO, JAVASCRIPT

May 2022 | [source](#)

- Watch party application in which users can remotely join a room and watch the youtube videos of their choice.
- Multiple rooms support, users can either join an existing/inbuilt rooms or create new ones, Each room has a dedicated chat.
- Live changing of video, user can change the youtube link and the video will be updated for all the users in the room.
- Video stays in sync, when forwarded played or paused.

SKILLS

LANGUAGES

Proficient:

Javascript • Python • C/C++ • Racket

Familiar:

Go Lang • Haskell • Dart • Java • Solidity • Elm

FRAMEWORKS

ReactJS • Express • Socket.io • NodeJS

DATABASE

MySQL • MongoDB • DynamoDB

VCS, CLOUD & BUILD TOOLS

Git • Jenkins • Github Actions • AWS • Google Cloud • Apache2 • Nginx • Arduino IDE

EDUCATION

IIITH

BTech. + MS in Computer Science

August 2020 - Present | Hyd, India

CGPA: 8.39

POSITIONS

Cloud Lead GDSC, IIIT-H

Research Assistant SERC • SCRC, IIIT-H

Teaching Assistant Discrete Structures • Software Engineering • Operating Systems

PUBLICATIONS

WF-IOT 2023

ICSA 2024

ACHIEVEMENTS

2020-22 Deans Merit List