

Abishek Devendran

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Skills

- **Languages:** Javascript, Typescript, Python, C/C++, SQL
- **Libraries:** ReactJS, Pandas, SciKitLearn, Framer Motion, Socket.io, Zod
- **Frameworks:** NextJS, TailwindCSS, ExpressJS
- **Software:** Blender3D, Figma, Postman
- **Misc:** CI/CD, Time Management, Git/Github, WebDev, SEO, Bundle size/performance optimization, Build automation

Projects

- **Strife(2023):** Fullstack **Next.JS+ExpressJS+Socket.IO** PWA/webapp built for utmost possible performance with caching optimizations with best possible security and **auto-user merging/management** functions.
- **LL(1)/LR Parsers(2022):** As an extension to coursework, implemented complex algorithms in **C** using custom data structures from scratch with custom memory management using **pointers** and **dynamic memory allocation** and made fully functional Parsers for any LR parsable CFG.
- **Chain Reaction Multiplayer(2021):** Using **web sockets** and vanilla SPA ReactJS hosted on an **ExpressJS** server to make a multiplayer online board game.
- **OAuthVC(2022):** Semi- successful attempt at making a Video Calling App with **oAuth** and secure user management. Used a deprecated JS library to handle **peer-to-peer** media streaming. Peer connections established via ExpressJS server.
- **Work Dashboard(2022):** 2-day Hackathon submission. An SPA with access control and data Viz, to be used in professional spaces.
- **Human Activity Recognition with Smartphones(2022):** EDA and Comparative model analysis after Data Cleaning and Reduction steps.
- **GitWrapper:** 2-day Hackathon submission. An API endpoint wrapper over Github REST API to simplify menial regular repetitive tasks.
- **IoT Mining Helmet:** Product Design project involving incorporating smart dynamic sensor nodes as part of a **mesh network** with **MQTT** pub/sub support. Prototyped with **Arduino** and **ESP01S**.

Education

Indian Institute of Information Technology, D&M. | Chennai, Tamil Nadu
B.Tech, Computer Science. | 05/2024
Current CGPA : 8.2

Awards

Prometeo CTF 4th position, Shaastra CTF 51st position

Socials

- Github: <https://github.com/abishekdevendran>
- LinkedIn: <https://www.linkedin.com/in/abishekdevendran>