

VAISAKH NALU PURAKKAL

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Skills

Frontend:	React, React-Native, NextJS, ThreeJS, TypeScript, Redux, SCSS
Backend:	Node.JS, ExpressJS, Jest, TypeScript, Prisma
Developer Tools:	gRPC, Algolia, Git, Expo-CLI
Databases:	MongoDB, PostgreSQL, Redis

Total Experience **2+ years**

Rivi Ventures **1 year 6 months**

Software Development Engineer *July 2023 - Present*

Front End Developer *Jan 2023 - July 2023*

- Added Server side rendering, file based routing, Contentful CMS data, deeplinking using Firebase Dynamic Link.
- Implemented map data visualisation, real time geotracking using MapboxGL and HLS Live Streaming.
- Orchestrated solutions for microservices using data streaming, gRPC protocol, also wrote Unit tests and used Dependency injection

Technoculture **4 months**

React Native Intern *Nov 2022 - Feb 2023*

- Ported a project from BabylonJS to React3Fiber, resulting in a significant reduction in load time from 15 seconds to just 3 seconds.
- Increased the React Native app performance by implementing optimized algorithms by 55%.

Evolvfit **3 months**

Software Developer Intern *Mar 2022 - July 2022*

- Developed 5+ reusable components for the mobile app, resulting in a 30% reduction in development time.
- Created complex web screens with event handlers and timeouts, improving application reliability by 43%.

Aero Telecom Solutions **4 months**

Application Development Intern *Oct 2021 - Jan 2022*

- Formulated efficient scripts that reduced manual input by 55% for web scraping and automation of data extraction.
- Processed and uploaded 100+ PDF documents to MongoDB using custom-built Python scripts, increasing efficiency by 75%.

Projects

Personal Portfolio | *NextJS, TailwindCSS, TSParticles, Framer Motion, AnimeJS* **August 2022**

- Engineered a responsive portfolio with a modular design, reducing load time by 50%, and enhanced user experience.
- Particles animation library and custom cursor leading to improved user engagement by 25%.
- Incorporated text animations, increasing session duration by 15%.

Blog Site | *GraphCMS, GraphQL, NextJS, TailwindCSS* **June 2022**

- Created a CMS-powered blog site with 90% CRUD functionality for creating, editing, and deleting posts.
- Implementation of JS libraries for formatting and sanitizing content resulted in a 15% reduction in formatting errors.
- Local MongoDB database used for efficient data management, resulting in a 30% increase in data retrieval speed.

Virtual Assistant | *Python PyAutoGUI, Selenium, Speech-Recognition, gTTS, sqlite3* **November 2020**

- Constructed a Python-based chat bot assistant designed with Material Design components.
- Crafted a user-friendly GUI that executes basic desktop actions and advanced features like voice-controlled social media messaging, improving user efficiency by 20%

Education

Indian Institute of Information Technology, Kottayam — SGPA: 8.54 **Aug 2019 – Apr 2023**

Bachelor of Technology - Computer Science and Engineering *Kerala, India*

Delhi Public School, RK Puram — Grade 94% **Graduated 2019**

Higher Secondary Education *New Delhi, India*

Profile Links

• [Leetcode](#) • [Codeforces](#) • [Codechef](#) • [StackOverflow](#) • [HashNode Blog](#)

Achievements

- AIR 551 in ACM ICPC Mathura-Kanpur Qualifier Round 2022 and 1st in college.
- AIR 647 in Google Hashcode'22
- Global Rank 95 in Codathon'22