

Nikhil Dabhade

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PROFESSIONAL SUMMARY

Frontend Developer with 2 years of experience building React applications using TypeScript. Experienced in developing reusable components, data visualization, and performance. Active in open source.

EXPERIENCE

Software Development Engineer 1 (SDE-1)

2025/02 – Present

CompUp

Bengaluru

- Designed and maintained React-based analytics features, including a Graph Comparator used across all analytics pages, enabling side-by-side dataset analysis across 20+ client dashboards.
- Refactored 20% of React modules using memoization and performance optimization techniques, reducing unnecessary re-renders by 35%.
- Improved application performance using Webpack code splitting and lazy loading, reducing initial bundle size and improving load times.

Software Development Engineer Intern

2024/08 – 2025/02

CompUp

Bengaluru

- Developed 10+ interactive data-visualization charts using Apache ECharts, converting complex backend data into user-friendly UI.
- Implemented the “Salary Plan” feature, enabling clients to configure and manage flexible salary structures through a structured UI flow.
- Assisted in migrating JavaScript components to TypeScript, participated in code reviews, debugging, and component testing using Jest.

OPEN SOURCE PROJECTS

IngestX (NPM Package) | *TypeScript, React, Node.js, PapaParse, XLSX*

- Designed and published a headless data ingestion library for processing large CSV and Excel datasets with a unified API for React and Node.js environments.
- Designed a chunked processing engine capable of handling very large CSV and Excel datasets without blocking the main thread through asynchronous execution and execution controls (pause, resume, cancel).
- Implemented a schema-driven validation pipeline with strict typing, regex rules, custom validators, and automatic row classification into valid and invalid outputs.
- Architected the library with TypeScript first APIs, modular adapters, and reusable core logic, accompanied by public documentation, interactive demos, and NPM distribution.
- Links:- *NPM, Github, Live Demo*

React Virtualized Tree (NPM Package) | *React, TypeScript, Konva, NPM*

- Built and published a reusable React and TypeScript tree component library on NPM for large hierarchical datasets.
- Designed a customizable architecture using React Hooks, TypeScript, and Konva for flexible node rendering.
- Implemented viewport based virtualization and minimized DOM updates, enabling smooth interaction with large, deeply nested hierarchical datasets.
- Links:- *NPM, Github, Live Demo*

TECHNICAL SKILLS

Languages: TypeScript, JavaScript

Frontend: React, Next.js, HTML, CSS

State Management: Zustand, Context API

UI & Visualization: Material UI (MUI), Apache ECharts, Konva

Testing: Jest

Performance: Virtualization, Memoization, Code Splitting, Lazy Loading, Web Vitals, Render Optimization

Tools: Git, GitHub, NPM, Webpack

EDUCATION

LoGMIEER

Bachelor of Engineering in AIML

Nashik, India

2020/06 – 2024/06