

# Vipin Menon

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## Professional Summary

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UI Engineer with 3+ years of experience building scalable frontend applications using React, Next.js, and TypeScript. Strong expertise in state management, performance optimization, accessibility (WCAG, ARIA), data visualization, and API-driven UIs using REST and GraphQL. Experienced in design systems, testing, and delivering production-ready interfaces for data-intensive and AI-powered platforms.

## Skills

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- **Frameworks & Libraries:** React.js, Next.js, Vue.js, Express.js, Node.js
- **Languages:** JavaScript, TypeScript, CSS3, HTML5
- **Frontend Concepts:** SSR, SSG, Web Performance Optimization, Lazy Loading, Code Splitting, Accessibility (WCAG, ARIA), Responsive Design
- **Styling:** TailwindCSS, Bootstrap, SCSS, SASS, RadixUI, MaterialUI, ChakraUI
- **State Management & Testing:** Vitest, Jest, React Testing Library, Zustand
- **APIs & Data:** REST APIs, GraphQL, API Integration, Client-side Caching, HighCharts, Apache ECharts
- **Version Control & DevOps (CI/CD):** Git, Jenkins, Vercel, Netlify
- **Tools:** Jira, GitHub, Postman, Docker, Figma

## Experience

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**UI Engineer**, Prevalent AI — Kochi, Kerala, India (*Dec 2024 – Present*)

▷ **Exposure Management**

- Developed the frontend interface for an AI-powered exposure management platform identifying and prioritizing cyber risks.
- Implemented interactive charts, optimized frontend performance (caching, code splitting), and built modular API-driven components using GraphQL and REST APIs.
- **Stack:** React.js, TypeScript, Tailwind, Radix UI, Zustand, GraphQL, Apache ECharts, Vitest

▷ **Data Quality**

- Built interfaces for entity resolution and data consistency validation across the Security Data Fabric.
- Created anomaly detection dashboards reducing manual QA efforts by 40%.
- **Stack:** React.js, Zustand, SCSS, TailwindCSS, Flow

▷ **Additional Contributions**

- Collaborated with backend and product teams on evolving API schemas and AI-driven workflows.
- Contributed to internal design system component standardization.
- Improved performance, accessibility, and UI/UX consistency.

**Junior UI Engineer**, Prevalent AI — Kochi, Kerala, India (*Jun 2022 – Dec 2024*)

▷ **Enterprise Solutions for Security Data Analysis**

- Contributed to a security analytics suite covering entity inventory, asset management, vulnerability analytics, and controls monitoring.
- Developed dynamic data visualizations, responsive layouts, and accessibility improvements.
- **Stack:** React.js, TypeScript, Bootstrap, Zustand, HighCharts, Jest, RTL

▷ **SDS Studio (Admin Workbench)**

- Designed and implemented configuration tooling for big-data pipelines.
- Streamlined workflows reducing manual intervention by 50%.

▷ **Other Contributions**

- Built reusable UI utilities and improved application performance through refactoring and code splitting.
- Contributed to shared component libraries and documentation.

## Projects

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### ▷ AI Resume Analyzer

- AI-powered resume analysis tool comparing CVs against job descriptions.
- Provides ATS score, keyword optimizations, and actionable improvements.
- **Tech Stack:** Next.js 16, TypeScript, Tailwind CSS 4, OpenRouter API

### ▷ Prompter

- Converts rough ideas into refined AI prompts using free Groq/Hugging Face models.
- **Tech Stack:** Next.js 16, TypeScript, Tailwind CSS 4, Groq API, Hugging Face

### ▷ Vector Magic

- Transform text descriptions into beautiful SVG graphics using AI.
- **Tech Stack:** Next.js 16, TypeScript, Tailwind CSS 4, Groq API

### ▷ Mapty

- VanillaJS workout/activity tracker with integrated map UI and local storage.

## Education

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- **JCT College of Engineering and Technology**, BE Mechanical Engineering (*Aug 2017 – Aug 2021*)
- **Skill Safari**, Full Stack Web Development — MERN Stack (*Oct 2021 – May 2022*)

## Languages

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- English
- Malayalam
- Tamil