

# Pallavi Khedle

✉ pallavi8khedle@gmail.com 📞 (213) 569-4725 📍 California, USA 🌐 pallavikhedle in Pallavi Khedle

## 🧠 Skills

---

**FrontEnd:** (JavaScript, TypeScript, React, ReactNative, Redux, Context API, React Query, Zustand, Ionic, JQuery, D3.js, Html, CSS, Bootstrap, Materialize),

**Database:** (Realm, SQL, MongoDB, Mongoose), **Tools:** (Firebase, Figma, Xcode, Android Studio, VCS(GitHub), AWS, Jira)

## 📁 Professional Experience

---

**Relyon softtech LTD, Software Development Engineer** July 2020 – July 2022 | India

- Engineered cross-platform desktop and native applications for the company's product portfolio in sales and finance.
- Implemented Client-side state management, caching, lazy loading, and other crucial mechanisms to improve real-time data synchronization, resulting in a 35% reduction in server load and a 45% improvement in website speed.
- Reduced server-client latency by minimizing the key-value terms by 30% while maintaining lossless JSON structure.

**Technologies:** React and React-Native, TypeScript, Cross-Platform applications, API Integration and Optimization

**3E Software Solutions, Hybrid Application Developer** May 2019 – July 2020 | India

- Spearheaded intrusive web application development for diverse industries, integrating Firebase for real-time push notification features and language translation, now integral to Defacto's suite.
- Worked extensively on optimizing multiple application's performance, resulting in a notable 60% improvement.
- Successfully revamped multiple mobile applications, implementing modern design principles and responsive layouts.

**Technologies:** React-Native, Ionic, Code Migration and Back Support, Figma, Application Optimization.

## 📁 Projects

---

**Mind Pyramid, Sound to your meditation** 📄 December 2023 – present

- A native app to promote and help with guided meditation, providing users with a calming and immersive experience with podcasts, customizable timers, and serene audiovisuals addressing mental health and sleep issues.
- Embedded a self-productivity tracker to practice this as a habit, win streaks, get rewards, and reach milestones.

**Technologies:** React Native(Expo), Context API, Video Streaming, Material UI, Google Cloud console.

**ReRoute, Optimal Delivery Route System** 📄 November 2023 – December 2023

- Developed an application for the simulation of finding the optimal delivery path across nodes using TSP Algorithm.
- Implemented a feature allowing users to explore and compare different methods for finding the best paths, making it easier to choose the most efficient delivery route.

**Technologies:** React, Mapbox, web worker, openstreetmap

**Keyword Krawler, SEO Boosting Keyword Scraper** 📄 October 2023 – November 2023

- Designed a tool that aids end users in finding the top-ranking keywords on any website, providing insights and suggestions to optimize the content for better SEO rank.
- Implemented suffix arrays for split-second response times for scalable stateless cache-enabled microservices.

**Technologies:** React Js, Python, Docker & Swarm, Redis, Microservices & Proxy servers.

**Civic-Guardian, Emergency Route Planning Tool** 📄 September 2023 – October 2023

- Developed a cross-platform application to demonstrate a use case of Floyd Warshall's algorithm in real-world navigation by enhancing Google Maps routes for efficient decision-making and reducing end-user decision fatigue.
- Implemented a custom variant of the Floyd Warshall algorithm where the obvious shortest path is manipulated with heuristics from historic traffic weights to derive better alternative paths.

**Technologies:** React Native,webpack, Google APIs, D3js, Python

## 🎓 Education

---

**California State University, Fullerton,**

*Master of Science in Computer Science*

August 2022 – May 2024 | United States

**Rajiv Gandhi Proudhyogiki Vishwavidyalaya,**

*Bachelor of Engineering*

August 2014 – May 2018 | India