

# Harsha Vardhan NJ

Github | Website  
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## SUMMARY

I'm a Full-stack Software Engineer with 2.8+ years of experience developing web and mobile apps using Flutter, React, Node.js, and Shopify. I've worked with cloud services like AWS & Supabase & built features that use OpenAI's APIs & Hugging face model. I focus on writing clean, efficient code and enjoy taking on new challenges to keep learning & growing in my field.

## SKILLS

**Languages:** Dart, JavaScript (Node.js), Python (FastAPI), HTML

**Frameworks:** Flutter, Express.js, React, Remix, Bootstrap

**Cloud/Dev Tools:** AWS (Lambda, S3, API Gateway), Firebase, GitLab, Shopify Polaris

**Databases:** Supabase, MongoDB, Firebase Realtime DB, MySQL

## EDUCATION

### K.L.N. COLLEGE OF ENGINEERING

MASTER OF COMPUTER

APPLICATIONS

Madurai, April 2022

CGPA: 9.1 / 10

### SOURASHTRA COLLEGE

B.Sc. IN COMPUTER SCIENCE

Madurai, April 2020

CGPA: 7.1 / 10

## CERTIFICATES

### LAMP

(Linux, Apache, MySQL, PHP) Course  
(Dec/2019)

## EXPERIENCE

### BINARYCHAKRA | SOFTWARE ENGINEER

Oct 2023 - Present | Madurai

1. Created & launched several Shopify apps using Polaris, Remix, React, & Node.js, which helped improve client satisfaction & user engagement.
2. Developed cross-platform macOS apps with Flutter, cutting down development time by 30% & simplifying maintenance, which led to faster feature roll outs in the first quarter.
3. Designed real-time data systems using MQTT protocols, boosting app performance by 30% and improving data delivery speed
4. Worked on API logic with Python FastAPI, optimizing performance and integrating OpenAI & Hugging Face models.
5. Collaborated with cross-functional teams to deliver projects on time and meet client requirements, achieving a 95% client retention rate.

### CRON24 TECHNOLOGIES | MOBILE APP DEVELOPER

Mar 2022 – Sept 2023 | Madurai

1. Planned and implemented efficient state management systems for both Android and iOS apps, ensuring smooth functionality.
2. Developed and maintained mobile apps using Dart & Flutter, integrating APIs with JSON for data handling, reducing data-related errors by 15%.
3. Integrated features like Google Maps, Stripe, Firebase push notifications & Realtime DB, Google Analytics, & Ads to enhance app functionality.
4. Managed app performance, fixed critical bugs, & handled deployments, resulting in a 30% reduction in crash rates & more stable releases.
5. Took care of multilingual content updates, improving localization and boosting user engagement.

## PROJECTS

### STORE BLOG - SHOPIFY EMBEDDED APP | FULL STACK

[Shopify App Store](#)

- Architected a Shopify app that auto-generates SEO-friendly blog posts using OpenAI's GPT model, resulting in a 20% increase in product visibility & a measurable boost in sales.
- Matched content to products using embeddings & cosine similarity, improving store search rankings.
- Enabled features like automated publishing (AWS Cron), multi-language support, & cross-platform content sharing.
- Applied Hugging Face models to generate blog images & Formulated the app to be easy to scale & maintain.
- Engineered an app architecture to prioritize ease of maintenance & flexibility, enabling the seamless addition of new features with zero downtime & reducing development time for future updates by 20%.

## **AI-POWERED NOTIFICATION APP | FULL STACK WEB APPLICATION**

- Structured a Shopify app that sends AI-powered notifications to merchants, leading to a 15% increase in customer engagement & improved sales.
- Executed OpenAI to analyze store data & suggest relevant alerts for better customer engagement.
- Implemented a Kafka-based pub-sub system to manage real-time store events, enhancing system performance & scalability by 20%.
- Operated Webhooks to trigger notifications right when something happens in the store
- Also Crafted a React Chrome extension that shows these alerts to merchants in real time.

## **FILMPLACE | MOBILE APPLICATION**

[Android](#) | [iOS](#)

**Technologies: FLUTTER, FIREBASE PUSH NOTIFICATION, STRIPE, RIVERPOD, GOOGLE MAPS API, GOOGLE ANALYTICS**

- Created a mobile app to help filmmakers find & manage filming locations.
- Integrated Stripe for payments, cutting down transaction issues by 15%.
- Used Firebase Realtime Database & Google Analytics to track user activity, increasing engagement by 30%.
- Made address entry easier & faster using Google Autocomplete.
- Enabled login options with Google, Facebook, Apple, & Naver—leading to a 25% jump in sign-ups.

## **CABBY (UBER CLONE SCRIPT) | MOBILE APPLICATION**

[Rider](#) | [Driver](#)

**Technologies: FLUTTER, FIREBASE, GEO LOCATOR,PUSH NOTIFICATION**

- Built a ride-hailing app with separate apps for riders & drivers.
- Added background services to reduce crashes & make the app more stable.
- Utilized GeoLocator for accurate real-time tracking, improving ETA estimates by 30%.
- Included multi-language support to make the app more accessible to a wider audience.