

# Dhanush Vardhan

## Software Engineer

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### WORK EXPERIENCE

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#### Cloudflare (<https://cloudflare.com>)

- 05/2024

Software Engineering Intern, Austin TX

- **Developed** high-performance **cross-platform mobile applications** using **Flutter**, enhancing secure data transfer through **Rust** daemon optimizations.
- Conducted **unit testing** and optimized app performance, achieving **20% faster load times**.

#### UFF (<https://uff-india.com>)

- 06/2022

Software Engineering Intern, Remote

- Designed and implemented an **interactive Android app** using Flutter and **Google Maps API** for real-time user interaction.
- Integrated **Dialog Flow API** for conversational engagement and **Razor Pay** for seamless payment processing.
- Reduced **app crashes by 30%** through performance **optimization and bug fixes**.

### EDUCATION

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#### Arizona State University, Tempe, AZ

- Expected Graduation 05/2027

B.S. Computer Science (Software Engineering)

- GPA 3.68
- Winner at CalHacks • Winner at HackPrinceton • Nominated for Pinnacle(Olympics of Hackathons) • Winner at TeenHacks LI

### SKILLS

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**Programming Languages** (Java, Python, Dart, Javascript, Typescript) • **Databases** (MySQL, MongoDB, Firebase) • **App Development** (Swift, Kotlin, Flutter, Jetpack Compose, React Native) • **Network and Systems Engineering** (Google Cloud Platform) • **CI/CD**(Git, Bitbucket, Jira) • **Other Frameworks and Tools** (Prisma ORM, Drizzle ORM, Express.js, FastAPI, Flask, WebRTC, Stripe, Google Maps API, CORS, Excel, Agile Methodology)

### PERSONAL PROJECTS

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#### Shopwise (<https://shopwise.tech>)

- Achieved **1,000+ downloads** on **Google Play**.
- Built with **Flutter**, **Firebase**, and **Google Maps API** for price comparison across online retailers and local stores.
- Enabled users to receive **real-time price drop notifications** and scan barcodes for cheaper alternatives.

#### MedicOn (Doctor on Demand App)

- Developed an app for virtual doctor consultations using **WebRTC**, Flutter, and Firebase.
- Integrated **video conferencing**, prescription delivery, and real-time scheduling features.

#### Flow (Heart Disease Detector)

- Created a **hardware-app combo** detecting heart arrhythmias with **98.79% accuracy** using a custom **ML model**.
- Built the app with **Flutter**, **MongoDB**, and **NodeJS** and developed a custom **stethoscope**.

### MENTORSHIP

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#### Google Developer Group, Coimbatore

- **Keynote Speaker** for **Flutter 3.0** and **Firebase**, addressing **100+ participants** at **Google IO Extended**.

#### Devlabs ([devlabs.club](https://devlabs.club))

- Leading a **350+ member tech club** at ASU, focusing on tech and entrepreneurship with **2 active sponsors**, including **Cloudflare**

