

VISHWANATH NAGA

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Professional Experience

Tata Consultancy Services

Aug 2023 – Present

Software Developer

Hyderabad, TS

- Contributed to the **development** of a **high-traffic** mobile application for **Tata Motors**.
- Enhanced **Orders** section with **real-time status** and **UI updates**. Optimized the "Buy Again" functionality, driving a **20% increase** in repeat purchases from **50% to 70%**.
- Developed **Trips module**, enabling **multi-stop trips**, **live-tracking**, **geo-fencing**, **trip history** categorization, and **trip insights** with **scoring**, all implemented using **Google Maps SDK**.
- Implemented **Digital Car Key** using **Apple Wallet**, with **UWB** and **NFC** support for **secure, contactless** vehicle access and ignition.
- Developed in-app **RSA** feature with **live tracking**, **real-time updates**, and streamlined **case creation** for improved **service responsiveness**.
- Integrated **third-party SDKs** - **FASTag** and **Challan**, enabling seamless toll and fine payments.
- Integrated line charts for **Charging and Fuel history**, improving **data clarity**.
- Developed **Home-Feed Carousel**, reducing app load time by **60% (6s to 2s)**.
- Maintained and improved **Driving Score** and **Monthly Health Reports** features, using data visualization, **increasing user engagement** by **15%**, from **40% to 55%**.
- Proactively resolved **production bugs** and contributed to regular **code reviews**.
- Enhanced unit test coverage from **40% to 80%**, reducing crash reports by **25%**.
- Tech Used:** Swift, UIKit, Charts, Objective-C, Alamofire, Apple Wallet, UWB/NFC, Xcode, Third-Party SDKs(Google Maps, FASTag, Challan)

TCS Research and Development Wing

Feb 2023 - May 2023

Research Intern

Hyderabad, TS

- Developed and containerized a **Flask API** for **5G A1 interface**, deployed as **Kubernetes pods** for orchestration and scalability.
- Tech Used:** Flask, REST API, Docker, Kubernetes.

Projects

NewsDose | NEWS APP WITH RESPONSIVE VIEW FOR WEB AND MOBILE.

[Repo]

- Designed and developed a News Application, supporting categorization, infinite scrolling.

IGCarouselApp | CAROUSEL MAKER FOR INSTAGRAM (SwiftUI)

[Repo]

- SwiftUI App to split images into seamless Instagram carousels with zoom, preview, and export features.

Technical Skills

Languages: Swift, Objective C, Java, JavaScript, Python, C, C++.

Mobile Development: iOS - UIKit, Foundation, Core Data, MapKit, Charts.

Web Development: ReactJS, Bootstrap, Node.js, Flask.

DevOps & Containers: Docker, Kubernetes.

Miscellaneous: DSA, OOPs, macOS, Design Patterns, Git, MongoDB, MySQL.

Education

Vasavi College Of Engineering

Aug. 2019 – May 2023

Bachelor of Engineering - CGPA - 8.84

Hyderabad, Telangana

Achievements / Certifications

- Recognized for **outstanding contributions** and **commitment** to the organization(2x).[Link]
- NPTEL Python **Silver Medalist**, **Mr. Fresher** Runner-Up, VCE (Aug 2019)
- Java** -Hackerrank [Link],**Python** - University of Michigan - Coursera [Link],**CCNA** - Cisco [Link]