

CHOLA NAGA SAI RAGHU VARMA KALLEPALLI

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[LinkedIn](#) | [GitHub](#) | [Website](#)

PROFILE

Creative and tech-savvy with **1.7 years** of experience in iOS application development and more than **6 years** of experience in computer programming languages like Java, Python and C/C++. I have proven abilities to combine design, thinking, goal-oriented acumen with well-developed programming and management skills. I'm a recent graduate from Monash University with a master's degree in information technology and passionate about iOS Application development and UI/UX design. My recent iOS application was **awarded** as **"2020 Monash University Post Graduate Industry Experience winner"**.

SKILLS

Coding	Database	Industry Experience	Designing	Tools & other	
<ul style="list-style-type: none">SwiftSwiftUIRxSwiftJavaPython	<ul style="list-style-type: none">Core DataFirebaseRealmSQL	<ul style="list-style-type: none">LeanKitTrelloJIRA	<ul style="list-style-type: none">Adobe XDMockingBotPhotoshopPremier ProAfter Effects	<ul style="list-style-type: none">GitGitHubCocoaPodsUnit-TestingDebugging	<ul style="list-style-type: none">RESTful services and IntegrationCI/CDMVVM and MVCAWS

PROJECTS

• Hola Frogger



Jun 2020

Hola Frogger was a final semester **capstone project** which was **awarded** as **2020 Post Graduate Industry Experience Winner** at **Monash University**. It is a one-stop **iOS application** for frog enthusiasts to help **conserve frogs** from getting **extinct**. Played my **role** as iOS developer, UI designer and **managed** a team of 5 people.

- Designed **prototype** using MockingBot for application after the collection & deep analysis of the project requirements and data.
- **100% programmatic UI** compatible to different screen sizes using **Auto Layout**.
- Application was built using **MVVM** design pattern, **Agile methodology**, **Kanban**, and completed the application in **2 iterations** by working **virtually**.
- Developed a feature to **identify** frog species in **real-time** using custom-built **"mlmodel"** using **Create ML**, **CoreML**, **AVKit**, and **Vision** frameworks.
- Developed alert feature to notify user when entering a frog's habitat, to keep them safe, clean and discover them using **Core Location**, **MapKit** and **User Notifications**. The application **adopts** to **Dark/Light modes**.
- To keep the users informed with the latest **news** about endangered frogs, the news is **fetches** using **network calls** to **News API**.
- To keep the users engaged, users are asked to complete **challenges** and discover frog species in **Victoria**.
- Developed an **Easter** (hidden) feature to **project** frog's 3d model (usdz) and **interact** with the frog **AR model** using **ARKit**.
- Created a [promotional video](#) for the app using various designing tools such as **Photoshop**, **Premiere Pro** and **After Effects**.
- Hands-on experience with multiple **third-party frameworks** using **CocoaPods**, few are **RxSwift**, **Lottie** and **more**.

• iCar



Nov 2019

iCar is a **data-driven** iOS application developed to change **old model cars** to **smart cars** using **IoT devices**. The IoT sensors like **GPS**, **Ultrasonic**, **Light**, **Temperature sensors** and **RF Reader** are used to connect to **Raspberry Pi** for collecting crucial information and sharing it **real-time** to **cloud**. This allows user to **monitor** the car's information like **location**, **speed**, **notifications** through the **phone**.

- Developed a feature to **remotely lock/unlock** the car using a **smartphone** without a **physical key** by connecting both the application and Raspberry Pi to **Firebase cloud storage** by posting and fetching over cloud.
- Developed a feature to find the **car's** current **location** from the **GPS** sensor connected to **Raspberry Pi** by developing a program in **Python**.
- Developed features to get **speed limits** and **alerts** from car's current location by **making API calls** to **'Here API'** efficiently and alerting the user by playing sound and flashing screen when the **current speed exceeds speed limit** to keep the driver safe.
- Implemented a feature to **automatically alert users** when driving **closer to vehicles** on the road using **Ultrasonic sensor**.
- Expertise in **JSON parsing** and **networks calls** using various frameworks like **RxSwift**, **Alamofire**.

• Other projects

➤ [Card Details](#)

➤ [Smart Weather](#)

➤ [Image Classification](#)

➤ [RxNews](#)

➤ [Stocks](#)

➤ [Neumorphic UI](#)

➤ [GoalPOST](#)

➤ [CloseBy](#)

Please visit my [LinkedIn](#) or [GitHub](#) profile for more projects

EDUCATION

Master of Information Technology

[Monash University](#)

Jul 2018 – Jul 2020

Melbourne, Australia

Bachelor of Technology (Computer Science and Engineering)

[GITAM University](#)

Jun 2014 – Apr 2018

Visakhapatnam, India

INTERPERSONAL SKILLS

Quick learner

Flexible & Adaptable

Communication

Problem solving

Active participation

ACHIEVEMENTS & AWARDS

- 2020 Monash University Post Graduate Industry Experience Winner

Jun 2020

CERTIFICATES

- Swift 5 iOS Application Developer Specialization (4 Courses)
- 2020 Postgraduate Industry Experience Project Certificate of Achievement

Aug 2020

Jul 2020

VOLUNTEER

Digital Literacy for Future

[Government of Andhra Pradesh, India](#)

Dec 2017 – Jan 2018

Visakhapatnam, India

- Taught students and teachers to transform classroom blackboard learning to digital learning
- Lead a team of 10 people and guided them with everyday activities and tasks

INTERESTS

Travelling, photography, swimming, stay updated to tech news, watch WWDC every year, participate in discord channels and help beginners learn Swift.