

# ADITYA GHORPADE

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## EDUCATION

**Visvesvaraya Technological University (VTU)**  
B.E. (Bachelor of Engineering) in Computer Science and Engineering.

**CGPA : 6.7**  
Aug. 2018 - July 2023

## EXPERIENCE

**Take It Smart Pvt. Ltd.** | iOS Developer Intern

Apr. 2022 - June. 2022

- Created application and worked extensively on SwiftUI .
- Worked on the basics of iOS Development.
- Implemented User Onboarding and User Sign in the mobile application.
- Gained hands on Experience on how to store data locally using UserDefaults an @AppStroage in SwiftUI.
- Created a To-do list application from scratch using latest SwiftUI techniques and MVVM architecture for clean Code.
- Tech Stack Used: Swift, SwiftUI, Core Data, UIKit.

## SKILLS

**Programming languages:** Java, Swift, Kotlin, C, C++  
**iOS Development:** Xcode, Swift, SwiftUI, UIKit, Core Data, REST API's  
**Platforms:** Git, Postman, GitHub..  
**Design patterns:** MVC, MVP, MVVM and SOLID principles.  
**Hardware:** Arduino, HC-05, Motor drivers.

## CODING PROFILES AND REPOSITORIES

[LeetCode](#) | [GitHub](#)

## PROJECTS

**CPM (Continuous Passive Motion) Machine**

[Demo video](#)

A unique physiotherapy device for post knee replacement therapy.

- Used Arduino for interfacing the linear actuator for flexion and extension of knee joint, angle and number of repetitions specified by user.
- BTS7960 motor driver in order to control the linear actuator. HC-05 module for Bluetooth communication with Arduino.
- Developed device specific Android Application in Kotlin for communication, takes input from the user the angle and repetitions to do.
- Applied for patent, as the device is inverted CPM with low cost, lightweight, portable and mobile app controlled.

**Quizzler App**

[GitHub](#)

An iOS App that is used to conduct true-false quiz.

- Quizzler is an iOS application built using UIKit framework.
- It is tailored specifically for conducting true or false quizzes on iOS
- It implements a Model-View-Controller pattern ensuring a structured and efficient user interface while managing various other quiz functionalities.
- An MCV design pattern is used to simplify the development process by separating different components.

**Trekr App**

[GitHub](#)

An app that Provides Information about various tourist destinations

- Developed using SwiftUI (Apples new UI framework) to create an engaging and user-friendly interface.
- It is integrated with MapKit framework to display diverse tourist destinations.
- Provides comprehensive information on various locations, including historical background, notable attractions and essential details for user guidance.
- Features travel tips such as ideal times to visit destinations, preferred payment methods, packing suggestions and other useful guidance.
- It provides seamless and personalized experience for travelers seeking specific destination related information.

## ACHIEVEMENTS

**Adhvitiya 2k22:** A national level technical competition got 3<sup>rd</sup> rank in Snipper Master (a coding competition), conducted in KLEIT Hubli, Karnataka

**Technical treasure hunt:** Competition organized within college campus got 2<sup>nd</sup> rank.