

# Apoorv Verma

iOS Developer

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## Profile

iOS Developer with close to 2 years of experience and a B.Tech. in Computer Science. A passionate learner, have conducted deep research on various iOS topics, contributed on instructional videos on Vision OS Development for the GeeksforGeeks YouTube channel.

## Areas of Expertise

iOS Development - xCode - Figma - UIKit - Swift - Objective C - XML - MVVM Architecture - SwiftUI - Combine - Resolver - AVKit - Firebase - Design Patterns - Restful APIs - JIRA - Agile methodologies - GIT

## Professional Experience

### SDE-1 (iOS Developer) ([Zomato](#))

Gurugram, India 11/2024 - Present

- **Developed an Objective-C in-app tool** for testing on custom servers, reducing debugging time by eliminating the need to generate manual builds.
- **Implemented SwiftUI** as a proof of concept (POC) to **analyze performance** in the restaurant partner app.
- **Proposed a State-Model-View (SMV) architecture**, which was later adopted with modifications in the project.
- **Optimized view reloading** using **Combine**, reducing unnecessary UITableView reloads and view refreshes.
- Contributed to multiple critical workflows:
  - **Orders** - A highly requested iOS feature that enhanced live order management for partners.
  - **OwnerHub** - A feature enabling restaurant owners to view their business metrics directly from the home screen.
  - **Restaurant Partner Ticket Support** - Allows **key account managers** to efficiently view all tickets in one place for all the restaurants they manage.

### iOS Developer, ([GeeksForGeeks](#))

Noida, India 07/2023 - 10/2024

- **Orchestrated the development of major features in the GeeksforGeeks App**, including revamping the Comment Section, developing a new HTML Renderer, and enhancing User Profile Editing, boosting user engagement by 40%.
- **Improved app performance** by identifying and **addressing memory over usage**, resulting in a **30% reduction in home screen load time**. Conducted thorough performance analysis and implemented optimized solutions to **enhance app speed and responsiveness**.
- **Leveraged advanced technologies such as Alamofire, Firebase, ACE Editor, and Realm database** to optimize user experience; achieved a 30% reduction in load times and a 20% boost in user satisfaction ratings.
- Proposed and worked on **Custom Image Cropping tool** for image upload feature in community.
- Designed the app architecture with **MVVM, Coordinator Pattern using various Design Patterns** and implemented **Dependency Injection using Resolver** for scalability and maintainability., driving substantial **growth in course sales and user retention**.

### iOS Developer Intern, ([Quantum IT Innovation](#))

Noida, India 02/2023 - 07/2023

- Developed two iOS applications from scratch (**Audition Listing & At Ease Veteran**) using **Swift UI** and a third (**Happiness Calculator**) using **UIKit**.
- Demonstrated expertise in both modern Swift UI and traditional UIKit frameworks. **Delivered three client iOS applications**, showcasing adaptability and a strong foundation in iOS development.
- Expanded my contributions beyond new app development. **Maintained codebase for existing UIKit applications**, ensuring their continued functionality and stability.
- **Communicated with different stakeholders** on technical as well as business side.

SDE Intern, ([Litehires Global Pvt. Ltd.](#))

New Delhi, India 04/2022 - 01/2023

- Designed and implemented a scalable **Applicant Tracking System (ATS)** utilizing **Node.js, Express.js, Angular, and SQL**.
- Accelerated the **candidate pool to over 1500**, significantly improving recruitment efficiency.
- Thrived in a fast-paced environment requiring rapid iteration and extensive brainstorming sessions. You effectively collaborated with backend developers to **manage Jiffyhire's frontend, showcasing your adaptability and teamwork skills**.

## Personal Projects

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**Magic Camera,** 

11/2023 - Present

- Used **AVKit, Combine, Coordinator and Resolver** to build the app structure with MVVMC Architecture.
- **Created custom camera manager** to handle all camera related operations within the app.
- This **Camera App offers manual settings, RAW support, filters, and more**. Elevate your photography.
- Currently working on RAW camera controls features for the app.

**Swift Network Manager** 

05/2023 - 07/2023

- **Created a light weight Alamofire alternative** for small scale application for handling network calls.
- Swift-based APIManager class for seamless **HTTP request handling and image management using URLSession and multipart formdata**.

**CrypVault** 

05/2022 - 10/2022

- Created an app using data segmentation, encryption, and steganography for enhanced data security.
- **Implemented a method proposed in my research paper to hide encrypted data within user device files**, ensuring robust confidentiality.

## Skills

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- **Languages:** Swift, C++, Objective C, Javascript, Typescript
- **iOS Development:** Swift UI, UI Kit, Reality Kit, AVKit, Firebase, Resolver Dependency Injection, RESTful APIs, JSON, Google APIs
- **Tools:** XCode, Zsh, Vim, Git, Simulator, Figma, Adobe XD, Postman
- **Architecture Patterns:** MVVM, MVC, Coordinator
- **Design:** Human Interface guidelines
- **Testing:** XCTest
- **CI/CD:** JIRA, BitBucket, GitHub, App Store Connect

## Achievements

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**2nd Runner-up Research Paper Presentaion,** *Research Paper*

05/2020

- Written a research paper on **An approach for data hiding using the concept of encryption and steganograpyh**, ISBN **978-81-953679-4-8** for College Jounral Publshing.
- Became 2nd Runner-up for research paper presentation.

## Education

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**B.Tech in Computer Science (78.5%)** [Raj Kumar Goel Institute of Technology \(2019 - 2023\)](#)

Ghaziabad, India

**12th Boards(CBSE) (76.6%)** [Gurukul The School \(2018 - 2019\)](#)

Ghaziabad, India

**10th Boards(ICSE) (8.6 CGPA)** [Gurukul The School \(2016 - 2017\)](#)

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