

# SAMRIDH AGARWAL

Kolkata, India

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## EDUCATION

### Vellore Institute of Technology

*B.Tech in Information Technology - CGPA - 8.60*

Courses: Data Structures and Algorithms, Database Management Systems, Statistics, OOPS

**Expected 2024**

*Vellore, India*

### M. C. Kejriwal Vidyapeeth

*ISC - Science - Percentage - 90%*

Courses: Physics, Chemistry, Mathematics, Computer Science

**June 2020**

*Kolkata, India*

## WORK EXPERIENCE

### Samsung R&D Institute India

*Research Intern*

**Oct 2021– Present**

*India*

- Building robust Binary NN operation using TVM stack on mobile CPU's
- Ran ResNet and GoogleNet models using PyTorch and TensorFlow on TVM compile. Built BNN model using LARQ

## PROJECTS

### PaperVIT

**Nov 2021**

- Lead the iOS app team. Utilised Swift to make the app.
- Made API calls to a custom backend made using nodejs and typescript to fetch previous years question paper of various subjects depending on the examination. Users have the option to view the paper directly on the app as well download a PDF.
- You can search for the subject depending on the exam, bookmark it.

### FlashChat

**Dec 2021**

- Created a chat app using swift, incorporating third party libraries like cocoapods.
- Used Firebase to authenticate, login and register users. Stored users data in cloud using Firebase Firestore.

### StickyLinks

**Oct 2021**

- Successfully managed an open source project during hacktoberfest, with the repository receiving 12 forks and 62 commits.
- The app lets the user store links to websites, videos and sort them into different categories. Users can open the link directly on the app and share the same

## TECHNICAL SKILLS

**Languages:** Python, Java, C, C++, Swift, JavaScript, SQL, Firebase

**Developer Tools:** VS Code, XCode, IntelliJ Idea Ultimate, PyCharm

**Technologies/Frameworks:** SwiftUI, NumPy

## EXTRACURRICULAR

### Association for Computing Machinery

**Jan 2021– Present**

*Senior Core Committee Member, iOS Developer*

*India*

- Successfully organised one of VIT's biggest hackathons. Judged the technical rounds of the hackathon and was a panelist in the pitchoff round.
- Launched a podcast series- InspiHer, an initiative by ACMW-VIT to empower women in Tech. For endeavours to empower women in technology, ACMW-VIT chapter received the Outstanding Chapter Activities Award 2021-22.
- Successfully carried out multiple marketing campaigns for the chapter, thus bringing a huge number of participants for ACM-VIT's events.