

# DISHANT NAGPAL

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## EDUCATION

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**Maharaja Agrasen Institute of Technology, New Delhi**

B.Tech Electronics and Electrical Engineering (EEE)

2020 - 2024

CGPA: 9.33/10.0

## TECHNICAL SKILLS

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**Languages**

Swift, C/C++, Python, HTML, PHP

**Frameworks/Tools**

UIKit, SwiftUI, ARKit, CoreML, Xcode, Git/GitHub, pydub, SQL

**Computer Sci. Fundamentals**

Data Structures, Algorithms, Mobile Application Development, Mathematics

## EXPERIENCE

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**Software Engineer Intern**

July 2022 - Present

Simbo.AI

*Remote, USA*

- Developed a python script(slicingAudio.py) which slices .mp3 files based on their timestamps and length of audio using their assigned .srt files.
- slicingAudio.py created short voice notes that were human understandable, which resulted in easier communication between doctor and their patients.
- Developed a login/Register page as a part of the training period using HTML, CSS, Javascript, PHP, MySQL.

## PROJECTS

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**AR Ruler** Swift, iOS, UIKit, ARKit, SceneKit

[GitHub](#)

- Created an Augmented Reality Application from scratch to provide accurate measure upto two decimal places.
- Used Apple's tested framework ARKit and built on top of SceneKit.
- Calculation made using the 3-D co-ordinates in the real time-space.

**Hacker News** Swift, SwiftUI, MacOS, iOS, Hacker News API

[GitHub](#)

- A simple to use yet very powerful tool for the tech heads looking for daily dose of tech news.
- Made an iOS plus MacOS application using the Hacker News API and catalyst.
- Used ScrollView UI element to make the news feed scrollable.

## EXTRA-CURRICULAR ACTIVITIES

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- Selected as an open source Mentee for Swift Mentorship Program 2022 which is designed to encourage developers to actively participate in the Swift open source community.
- Participated in Apple WWDC Swift Student Challenge which is an global event to showcase the passion for swift and creativity of fellow students.
- Solved 100+ questions on Leetcode. Having more than 15 reputation stars for helping and contributing in the leetcode community also having more than 2.7k views on my data structures and algorithm solutions.
- Participated in Smart India Hackathon(SIH). Built an AI-Chatbot using python.
- Member, Mentee and shortlisted lead applicant for Google Developer Student Club, MAIT.
- Tech Head and active member of the Poetry and Creative Writing society of our College.(Literary Umbrella).