ANIRBAN KUMAR

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EDUCATION

Rutgers University, New Brunswick, NJ **Graduation: May 2022**
B.A. - Information Technology & Computer Science (minor) **GPA: 3.4/4.0**

Coursework: Data Structures, Discrete Structures, Computer Architecture, Principles of Programming Languages, Principles of Information & Data Management

SKILLS

Programming Languages: Swift, Python, Java, C/C++, HTML, CSS, JavaScript, Objective-C
Technologies & Frameworks: UIKit, Core Data, ARKit, SwiftUI, Firebase, APIs, Numpy, Pandas, Git

WORK EXPERIENCE

T-Mobile - *Software Engineering Intern* **October 2020 - Present**

Working with the Operations Support Systems team on a dashboard to identify issues in the nationwide network.

Verizon - *Software Engineering Intern* **June 2020 - August 2020**

Assisted the Network Partnerships team by analyzing network traffic and planning 5G deployment based on historical data

- Built an automated reporting tool in Python to compile statistics from CSV files into user friendly models, reducing reporting time from hours to minutes.
- Helped standardize over 30 GIS mapping tools into one centralized platform, enabling easier access to essential tools.

PROJECTS

Whole Foods Automated Delivery *(Python, Selenium, BeautifulSoup, AppleScript)* **April 2020**

A Python script that automates ordering groceries from Whole Foods

- Parsed Whole Foods' website using BeautifulSoup and used Selenium to automate the checkout process, increasing the odds of a successful checkout by an order of magnitude.
- Created an AppleScript to text the user when an order was placed successfully.

This or That Polls *(Swift, Firebase, Core Data)* **March 2020**

An iOS app that enables users to vote anonymously on polls and create polls for other users to vote on

- Utilized Google's Firebase to save user and poll information in real time.
- Implemented Core Data to save user's progress without the need of an account.

Locate It AR *(Swift, ARKit, Core Data)* **September 2019**

An iOS app that uses the device's GPS and compass data to augment pins of saved location in the real world

- Used iPhone's GPS and compass data to detect user location and orientation and displayed pin of saved locations using ARKit.
- Saved location information using Core Data for persistent in-memory storage.

Music Habits *(Python, NumPy, Pandas)* **April 2019**

A Python CLI program that extracts a user's Apple Music trends by parsing their iTunes history

- Utilized NumPy to parse users' Apple Music Play Activity and highlight unique tendencies of the users.
- Created visualizations using Pandas about their listening habits.

Basketball Keeper *(Swift, Realm, Firebase)* **February 2019**

An iOS app that allows users to keep track of their basketball game score and individual player performance.

- Used Realm to save game data on device and Google's Firebase as an optional cloud syncing feature.
- Featured by Apple on the App Store alongside HomeCourt.

AWARDS

Apple's WWDC Scholarship Recipient (x2) **2017 & 2019**

The scholarship is awarded to only 350 students worldwide. The challenge was to create a Swift application using Swift or Xcode Playground that was interactive.