

AM**ANKITH MADADI**SOFTWARE ENGINEER | [ANKITHMADADI.ME](https://ankithmadadi.me)

PHONE: (650) 880-9308

SKILLS

Swift
Java
JavaScript
TypeScript
Node.js
React
React Native
Python
Kotlin
HTML
CSS

VOLUNTEERING

VOLUNTEER • INCLUSIVE WORLD • PRESENT

Teaching less abled children about robotics.

VOLUNTEER • KOREKLOUD • PRESENT

Teaching students about programming, math, physics, and more.

EXPERIENCE

FRONTEND DEVELOPER FELLOW • ETHI @ MENON LABS • NOVEMBER 2020 - PRESENT

Working on visualizing complex Facebook data insights in time and space for the data startup, Ethi, through the Menon Labs Program.

SOFTWARE INTERN • COVIDOPOLY • MARCH 2020 - PRESENT • COVIDOPOLY.IO

Worked on creating a mobile app, while currently working on improving frontend and backend features of the website along with UX/UI team, marketing, and sounds designer.

SOFTWARE DEVELOPER • BEROUNDUP • SEPTEMBER 2019 TO MARCH 2020

Worked on an app to compliment the website for car show ticketing. Also, built a mobile app (Built with React Native) and backend (Built with Node.js) that shows crowded areas as restrictions start to ease due to COVID-19.

SECRETARY/SOFTWARE MEMBER • FRC ROBOTICS • OCTOBER 2018-JUNE 2019 (POPCORN PENGUINS 6238) SEPTEMBER 2019 – PRESENT (FUNKY MONKEYS - LYNBROOK ROBOTICS 846) • LYNBROOKROBOTICS.COM

Worked on writing teleoperated code for the robot, the live dashboard for the robot and vision system for our robot. In addition, I have presented to the community on robotics topics. As Secretary I am in charge of administrative tasks.

EDUCATION

HIGH SCHOOL • LYNBROOK HIGH SCHOOL • PRESENT • CLASS 2023

4.0 GPA, involved in Mobile Development, Computer Science, Machine Learning, Web Development, and Robotics Club.

ANKITHM28@GMAIL.COM[LINKEDIN.COM/IN/ANKITHMADADI/](https://www.linkedin.com/in/ankithmadadi/)[GITHUB.COM/MONKEYANK](https://github.com/MONKEYANK)

HACKATHONS

REVERSE PANDEMIC • 2020

Created an Instacart like service for volunteers to deliver goods to different entities and people.

HYPHEN HACKS • 2019

Built a sign language recognizer for the visually impaired.

SOLAR HACKS • 2019

Our team built a program to label and detect objects for students to learn with.

MISSION HACKS • 2019

Created a Quizlet type interface for students to use.

PROJECTS

CHAT PLANE • MESSAGING APP • SWIFT

An end to end encryption messaging app created using Swift and RN-Cryptor and Crypto Swift. This also supports voice and video calling over https. <https://github.com/Monkeyank/Messenger-new>

SHAPEZOID • GAME • SWIFT

A game built with Apple's Spritekit and Swift using textures, trajectories/paths, and more.
<https://apps.apple.com/us/app/shapezoid/id1507022672>

REAP – RESIDENTIAL ELECTRICITY ANALYZER AND PREDICTOR • ARTIFICIAL INTELLIGENCE • PYTHON AND R PROGRAMMING LANGUAGE

Synopsys Science Fair project using R and Python to predict residential electricity prices. The model selects the 25 most influential factors from 100 factors provided by the US Energy Department using a random forest classifier, then applies them by importance.
https://github.com/Monkeyank/Residential_Electricity_Consumption_Machine_Learning_Project

ROUTESAFE • COVID SAFEROUTING • JAVASCRIPT, NODE.JS, AND REACT NATIVE

Created an app with Beroundup providing info on crowded areas to help small businesses during COVID-19. I created the backend as well as the frontend to find areas that are busy and can accommodate more people under social distancing guidelines. Utilized MapBox's API, Google Data, MIT's COVID Safe Paths and adds aggregates user data.

Frontend: <https://github.com/Monkeyank/Live-Data>

Backend: <https://github.com/Monkeyank/Live-Data-Backend>

SWIFTNOTES • NOTES APP • SWIFT

Currently working on a clone of Bear.app built with Swift.

BOXED • SHORTCUTS APP • SWIFT

A MacOS app using shortcuts to easily move windows, similar to the popular app Magnet. <https://github.com/Monkeyank/Boxed>

GITHUB CONTRIBUTIONS • MAC MENU BAR APP • SWIFT

A MacOS menu bar app to display your GitHub Contributions.
<https://github.com/Monkeyank/GithubContributionsMacMenuBar>

NIGHT-SHIFT MAC MENU BAR • MAC MENU BAR APP • SWIFT

A MacOS menu bar app built to easily access Night Shift.
<https://github.com/Monkeyank/Mac-Menu-Bar-Night-Shift->