Anirudh Kurma

Software Engineer seeking growth, challenge, and risks to become better each day.

Contact

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Blacksburg, Virginia

Education

Virginia Tech
B.S. Computer Engineering
Minor in Computer Science
Aug 2019 - May 2023

Skills

Technologies:

Linux
Web-Crawling
REST APIs
Firebase
Android studio
CLion
Oracle VM VirtualBox
Python 3.9
GDB
Blender

Languages:

Flutter

Dart

Python

HTML/CSS/Bootstrap/Bulma

Javascript/Node.js

C++

C

Java

React Native

MATLAB

Experience

Virginia Tech Engineering Expo App
Lead Developer & Designer

- Developed an app with a beautiful UI for 8,000 students of Virginia Tech using Flutter and deployed it for iPhone and Android.
- Displays information of all 300 companies attending Engineering Expo 2021 hosted by the Student Engineering Council at Virginia Tech organization, has functionality to filter 300 companies using search bar or based on citizenship, Engineering discipline and 4 other metrics.
- Utilizes an interactive API based calendar that fetches data from Firebase and sends Push Notifications to the device, and a favorites tab to store data locally.
- Organized work schedule and meetings 3 days per week with team members to ensure healthy progression.

Enigma
Team Leader and Lead Developer

- Team Leader of an online puzzle hunt called Enigma organized for 2,000 students from 15 different schools to participate.
- Drafted 22 complex questions for participants to solve using their knowledge in C++ and Java to solve the questions, and programmed and published the website that hosts the event using the Bootstrap framework.
- Organized and scheduled meetings for 3 days with other team members and the faculty to ensure everything runs smoothly.
- Designed a logic using PHP that securely verifies the answer provided and improved checker efficiency by 22%.

Zippyshare Auto-Uploader
Software Engineer - Personal Project

- Authored a script using Python 3.9 to upload large files, more than 500mb, to Zippyshare for easy file sharing.
- Refined a logic that checks all uploaded files, each 500 mb in size, and checks whether the links are valid before deleting the temporarily created archive.
- Solved a common problem using a custom validate-link algorithm that auto downloads 25% of the total number of the files uploaded to make sure that the files aren't deleted by the service's 30 day deletion policy and extend the lifetime of the files.
- Product can be tweaked to be used on multiple sites.

Discord Bots
Software Engineer - Personal Project

- Authored 4 discord bots using Javascript and Python for the members of my servers by creating a chat bot that responds to general questions, and understands and adapts itself to questions regarding a specific topic that has been asked before.
- Implemented an algorithm that temporarily creates a voice channel with member limit upto 25 upon command and then deletes the said voice channel upon reacting to the original message.