ANIRUDH KURMA

Blacksburg VA 24060 │ https://www.linkedin.com/in/anirudhkurma/ │ **ANIRUDHK313@VT.EDU** │ https://decimate1405.github.io/

(646) 799-6045

EDUCATION

Virginia Tech, Blacksburg, VA - *Computer Engineering* 	Aug 2019 – Present
- Coursework: Embedded Systems, Data Structures and Algorithms, Applied Software Design, Digital Systems

EXPERIENCE

VIRGINIA TECH ENGINEERING EXPO 	July 2021 – Aug 2021
- Organized work schedule and meetings weekly with team members to ensure healthy progression
- Developed an app for 8,000 students at Virginia Tech using Flutter and deployed it for iPhone and Android
- Displays information of all 300 companies attending Engineering Expo 2021
- Has functionality to sort 300 companies using search bar or based on 6 different metrics
- Utilizes an interactive API based calendar that fetches data from Firebase and sends push notifications to the device
- Contains a favorites tab to store data locally

ROCKETRY AT VIRGINIA TECH 	Nov 2021 – Present
- Transitioned team website from Squarespace to a self hosted server
- Developed soon-to-be live website with Vue.js and TailwindCSS
- Implemented Sanity CMS to facilitate easy content management for non-technical team members
- Deployed on server using Docker and nginx to ensure future compatibility across systems

PROJECTS

CAMPUS NUTRITION, FITNESS APP 	Aug 2021 – Present
- Coded and designed the app to provide exact calories and nutrient values for more than 200 different menu items
- Implemented a crawler within the app to easily update data
- Filterable based on requirements, such as breakfast, lunch, dinner, and allergens

DISCORD BOTS 	Jan 2021 – Nov 2021
- Developed a custom chatbot using Javascript and using the Discord API for use in a server with upto 200 members
- Coded a full featured bot in Python that plays music using YouTube API, can coordinate future events - including reminders for confirmed attendees, maintains dynamic voice channels via Discord API, and contains more administrative features
- Implemented critical bot capable of highlighting and saving messages deemed important by members of the server via a mongoDB database using PyMongo

AUTO-UPLOADER 	Nov 2016
- Enabled easy file sharing by utilizing Python and authoring a script to upload 500+ mb files with compatibility for 200+ media share sites
- Implemented logic that divides large files into under 500mb archives for uploading on media share sites
- Checks whether the file has been properly uploaded before deleting the temporarily created archives
- Solved a common problem using a custom validate-link algorithm that auto downloads 25% of each file uploaded to avoid the 30 day deletion policy and maintain the lifetime of the files

LANGUAGES AND TECHNOLOGIES

- ***Proficient:*** *Python; C++; Flutter; HTML5; CSS3*
- ***Familiar:*** *JAVA; Objective-C; JavaScript; NodeJS; Vue.js; Blender; TailwindCSS; MongoDB; Bootstrap; MATLAB*