Krishnan Shankar

krishnans2006@gmail.com
571-276-3427
6862 McLean Province Circle
Falls Church, Virginia

Summary

I am a sophomore at TJ High School in Northern Virginia. I have been coding since 6th Grade, mainly using Python. I am a Full-Stack Developer, and am fluent in using HTML, CSS, JavaScript, Python Flask or Django, and a database like Firebase or SQL. I also know how to make useful Discord Bots using Discord.py, and amazing games using Pygame!

Education

Thomas Jefferson High School for Science and Technoogy

High School • Alexandria, Virginia

Skills

- Full Stack Web Development
- Game Development
- Discord Bots
- Database Management

Languages

- Python
- CSS
- Java
- HTML
- JavaScript
- SQL

Experience

HackAlphaX

Technical and Operations Lead · 12/2020 - Present

HackAlphaX is a high school organization, who hosts a yearly hackathon called NextStep Hacks.

- I coded the website for HackAlphaX, and designed it as a hacker dashboard for participants to log in and view important tasks, upcoming events, deadlines, and much more!
- I also created a Discord Bot for the HackAlphaX server, which links with the website to support many features like team formation and user profiles.

HackTJ

Team Member · 06/2021 - Present

- I take care of technical tasks, such as modifying the HackTJ website and maintaining it
- I also reach out to sponsors, help with judging projects, and help organize the event

Hackathons

Participant · 07/2020 - Present

- I have participated in over 15 hackathons this year, and won 3 of them!
- Project Portfolio: https://user.tjhsst.edu/2024kshankar
- Devpost: https://devpost.com/krishnans2006
- GitHub: https://github.com/KrishnanS2006

Projects

My most recent projects:
To view all my projects, go to my portfolio at https://user.tjhsst.edu/2024kshankar.

- **ChessCord**
  Chess... in Discord! This is a Discord Bot I single-handedly coded that allows you to play multiplayer chess games, all within a popular chatting platform. It includes support for almost all features available on professional chess sites, including spectating, takebacks, rating tracking, and much more! Best of all, this is condensed into an amazing look and easy experience.
  Coded Using: Discord.py in Python, Firebase
  Uses: Heroku Deployment
- **Webitor**
  Webitor is a site builder, tester, and hosting platform whose goal is to assist people in making a website, without the stress of writing a lot of code. Webitor includes an interactive code editor and live preview, along with tons of auto-generated code snippets that use Bootstrap, a very popular web framework. And once you are done using Webitor to easily create your site, webitor also includes support for hosting your site as a subdomain on the platform.
  Coded Using: Python Flask, HTML, CSS, JavaScript
  Uses: Heroku Deployment
- **YouTube Party**
  YouTube Party is a platform where you and your friends can watch a YouTube video together, and chat about it the entire time! With support for team rooms and invites, YouTube Party allows you and your friends to watch a YouTube video and chat with your friends real-time while watching it!
  Coded Using: Python Flask, HTML, CSS, JavaScript, Firebase
  Uses: SocketIO, Repl.it Hosting
- **Space Warfare: Jovian Conflict**
  In this real time strategy game you can experience space warfare as close to how it would theoretically play out in real life. Command a fleet of warships and battle your friends in unique planetary systems. The game design and mechanics are based on actual theorizations and research about space warfare in real life.
  Coded Using: C#, Unity
- **PollCOVID**
  PollCOVID is a website that lets you rate and view ratings for various stores and businesses in your area. Using Google Maps Autocomplete, you can select a location and view its ratings for Crowd, Social Distancing, and Masks. You can also submit your own ratings to help others stay safe during the pandemic.
  Coded Using: Python Flask, HTML, CSS, JavaScript, SQL
  Uses: Google Places API, Glitch Hosting
- **SO Bot**
  SO Bot is a Discord Bot I single-handedly coded to help practice and review Science Olympiad concepts for events before major tournaments! I even shared it with my team to help all of us practice and grow together. SO Bot uses a database of nearly 4000 questions and answers to help students learn, and even tracks correct and incorrect answers!
  Coded Using: Discord.py in Python, SQL
  Uses: PDF Tests from Scioly.org
- **TimeXtension**
  TimeXtension is a set of browser extensions designed to help you manage your online browsing time! It records your current tab every minute, determines whether the site is productive using an amazing algorithm, and then displays your browsing data in a simple Pie Chart. The best part is, this data will sync through your browser account and show on all your devices!
  Coded Using: JavaScript, Chart.js
  Uses: Git, GitHub

- **What Should I Wear?**
  What Should I Wear is a website that uses your current location's weather to determine exactly what clothing you should be wearing when you go outside! It can tell you to wear a T-Shirt, a Sweater, a Jacket, or even to carry an Umbrella. And all of this is displayed in a simple, glanceable, page.
  Coded Using: Python Flask, HTML, CSS, JavaScript
  Uses: Weather API, HTML Geolocation, Glitch Hosting
- **CalTracker**
  Using your diet and activity history, CalTracker can calculate the calories you have consumed and burned. Then, using your past activity choices, it can suggest possible activities and durations to finish burning off the rest of your calories!
  Coded Using: Python Flask, HTML, CSS, JavaScript, SQL
  Uses: Machine Learning, Glitch Hosting