

Alakh Chandarana

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EXPERIENCE

Freelance Developer

Remote

- Completed work for over 15 clients, generating more than **\$1,000** in revenue
- Created and currently maintain a discord bot to handle customer support tickets of a 5000+ member server
- Designed several landing pages using React and TailwindCSS
- Cleaned and visualized large amounts of data using Python and p5.js

ACTIVITIES

Robotics Club President

Dubai, UAE

- Presented various projects at the national science fair, winning **third place**
- Managed a team of 40+ members, holding regular meetings twice a week
- Mentored other students in the club, providing them with guidance where needed.
- Held regular introductory sessions, increasing membership from 18 to 40+ during a 2 year period

PROJECTS

Media Hunter | *Next.js, React, TailwindCSS, Node.js PostgreSQL, Docker*

- Developed a full-stack web application using a Node.js REST API and React as the frontend, to track media consumption across various streaming services
- Implemented Google OAuth to Authenticate Users, and stored user data in a PostgreSQL Database
- Utilized the Twilio API to notify users when a new episode of their tracked show was available
- Used the TMDb API to recommend similar content to over 150 registered users

Ring Doorbell Clone | *Python, OpenCV, Pushover API, Raspberry Pi*

- Developed a REST API to capture and serve video from a Raspberry Pi
- Utilized OpenCV and the haarcascade algorithm to detect faces and movement in real time
- Sent push notifications to user devices using the Pushover API, when a face was detected
- Created a flask website to allow the user to stream their video feed from anywhere

Discord Music Bot | *Rust, Serenity.rs, Youtube API, Spotify API, Docker*

- Developed a discord bot to allow users to listen to high quality music through voice channels
- Implemented Spotify OAuth to add/remove songs from users saved playlists
- Implemented a system to add tracks to a queue, based on user feedback.
- Used the Spotify API to provide users statistics on their most listened to songs and artists

TV Quotes API | *Python, Selenium, Rust, PostgreSQL, Docker*

- Used Python and selenium to scrape over 100,000 TV Quotes from various sites
- Created a REST API to serve data from a PostgreSQL Database
- Implemented the ability to filter the data, based on length, character and show

EDUCATION

University of Waterloo

Waterloo, ON

Bachelor of Software Engineering - 87% Major Average

Sept. 2022 - Present

- Awarded the Engineering International student Scholarship worth **\$10,000**
- Awarded the President's scholarship worth **\$2,000**

TECHNICAL SKILLS

Languages: Python, JavaScript/Typescript, Rust, C/C++, SQL, HTML/CSS

Tools: Next.js, React, TailwindCSS, Node.js, Flask, FastAPI, Git, Docker, Unix, AWS, VSCode