

Adithya Thayyil

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EDUCATION

University of Waterloo

Bachelor of Mathematics

Waterloo, ON

Sep. 2023 – Present

EXPERIENCE

Unlock, JA Company Program

Nov. 2021 – Apr. 2022

VP of Technology & Marketing

Toronto, ON

- Co-founded and led student-run company, Unlock, addressing can-opening challenges for physically weak individuals
- Developed *Unlock Tab* for arthritis patients, children, and those with motor skill difficulties
- Managed end-to-end processes: product design, research, marketing, and shipping
- Established and customized online store using Shopify, incorporating unique design and branding through Liquid template language
- Integrated payment gateways, shipping solutions, and inventory management on Shopify platform
- Utilized Adobe tools for logo design, advertisements, and marketing materials, ensuring high-quality visuals

PROJECTS

PlantPro (WIP) | *React, Node.js, Express, MongoDB, Tailwind CSS*

Mar. 2023 – Present

- A web app which lets you search and keep track of your plants like a pro!

SoundCloud Notify | *Python, Discord.py, SQLite, Digital Ocean*

Jul. 2023 – Present

- Developed a SoundCloud Notifier bot for instant Discord notifications on new artist tracks, using advanced asynchronous operations and rate-limit handling
- Implemented a SQLite-based artist management system that optimizes API calls and enables personalized artist tracking
- Designed an intuitive command system for users to effortlessly manage custom artist lists

bsdl | *Python*

Jan. 2023 – March. 2023

- Developed a BeatStars music downloader tool with user-friendly CLI integration
- Investigated network requests and analyzed response headers and payloads to comprehend BeatStars' data formats
- Implemented ID3 tagging mechanism to embed parsed metadata into downloaded audio files across various formats

VOLUNTEERING

Vaishno Devi Temple

Jul. 2022 – Aug. 2023

Volunteering Executive

Oakville, ON

- Organized and delegated tasks to volunteers, overseeing activities like cleaning, serving, gardening, etc.
- Enhanced temple operations by collaborating on executive presentations, forms, and event coordination
- Demonstrated strong organizational abilities through contributions to major events, including Diwali celebration and weddings

Fringe Festival

Jul. 2022 – Aug. 2022

Artist Liaison & Production Assistant

Hamilton, ON

- Managed artist logistics including accommodations, transportation, and schedules for streamlined event operations
- Supported event setup, stage management, and audio equipment to enhance performance success
- Ensured artists' technical needs and backstage requirements were met through close collaboration with production teams

TECHNICAL SKILLS

Languages: Python, JavaScript/Typescript, SQL, SQLite, Java, C++, HTML, CSS (Sass/SCSS)

Software Frameworks: React, Express, Tailwind CSS, MongoDB, Flask

Software Tools: Node, Linux, Git, Docker, Digital Ocean, Microsoft Azure, Shopify, TrueNAS, Insomnia, Figma

Hardware Tools: Arduino UNO/NANO, ESP32, ESP8266, Raspberry Pi

Editing Tools: Adobe After Effects, Adobe Photoshop, Adobe Illustrator, Adobe Media Encoder, Handbrake, Flowframes, TouchDesigner, Blender