Adithya Thayyil

+1 (365) 292-3932 | athayyil@uwaterloo.ca | linkedin.com/in/adithayyil | github.com/adithayyil

EDUCATION

University of Waterloo — Waterloo, ON
Bachelor of Mathematics — *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 | *React, Node.js, MongoDB, Tailwind CSS* — Mar. 2023 – Present
- Previously a Hackathon project written in Vanilla JS, and currently working on V2!

SoundCloud Notify | *Python, Discord.py, SQLite, Digital Ocean* — Jul. 2023 – Present
- Devoloped 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, Node.js, Tailwind CSS, MongoDB, Flask
Software Tools: 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