

Vidhan Bhatt

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EDUCATION

McMaster University
B.A.Sc in Computer Science

Hamilton, Ontario
September 2022 – May 2026

PROJECTS

- fncli** | *Rust, GitHub Actions* December 2022
- A Rust library to simplify writing command line applications
 - Implements industry-standard testing and continuous integration using GitHub Actions
 - Received 29 stars on GitHub over the span of 3 days
- MacEats** | *Rust, Warp, Request, React, Next.js, Docker, Fly.io, Vercel* October 2022
- A full-stack modern reimplementation of MacEats, the McMaster University campus dining site
 - Made for the 2022 McMaster CS Society Hacktober Competition and received 100% in judge voting, placing second overall in the competition
 - Uses Rust for the general-purpose library to access the original data, a Rust/Warp backend built upon that library, and a Next.js/React frontend built upon that backend
 - Uses Fly.io to host the backend and Vercel to host the frontend
- StatMuse Bot** | *Rust, Axum, Sled, Twitter API v2, OAuth2, Fly.io* October 2022
- A Twitter bot which gets NBA players stats from StatMuse
 - Uses OAuth2 to authenticate with the Twitter API v2
 - Deployed on Fly.io
- vidhan.io** | *React, Next.js, Tailwind CSS, MDX, Prism, Vercel* February 2022 – April 2022
- My personal site, used as a home page and a blog
 - Blog is written completely from scratch using MDX, with Prism as the syntax highlighter
 - Blog uses Git to track when posts were written and updated
 - Made using Next.js, Tailwind CSS, and MDX for the blog, and deployed on Vercel
- Checkpoint** | *Go, DiscordGo, Docker, GitHub Actions, Google Cloud Platform* October 2021 – February 2022
- A Discord student identity verification bot for clubs in the Peel District School Board
 - Made to combat rampant spam bots which would join servers in our school
 - Uses Go for the Discord bot, which is deployed to Google Compute Engine, using GitHub Actions to automate the deployment process
 - Includes other useful features such as applying grade roles and pronouns
- Diswordle** | *Go, DiscordGo, Docker, GitHub Actions, Google Cloud Platform* October 2021 – February 2022
- A Discord bot which re-implements the popular word-guess game Wordle
 - Wrote the Wordle engine entirely from scratch, and published it as a separate Go module
 - Uses Go for the Discord bot, which is deployed to Google Compute Engine, using GitHub Actions to automate the deployment process
- Timetables** | *Python, Google Cloud Platform* August 2021 – September 2021
- A Discord bot to crowdsource your timetable to find who shares classes with you
 - Parses PDF timetables provided by the school, and turned them into an easy-to-use data structure
 - Allows many different ways to view the data, such as a list of people in your classes or a list of classes you share with a person
 - Written in only four days, and was used by over 100 students before school started, receiving very positive feedback

TECHNICAL SKILLS

Languages: Rust, Go, JavaScript, TypeScript, Python, Haskell, Java, SQL (PostgreSQL, SQLite3), MongoDB, Docker, Shell Script, Solidity, HTML, CSS

Frameworks: React, Node.js, Next.js, Svelte, Swing, Discord API, Twitter API v2, Tailwind CSS

Developer Tools: Visual Studio Code, Vim, Google Cloud Platform, Fly.io, Vercel, Cloudflare, Poetry, GitHub, GitHub Actions

Libraries: Axum, Warp, SQLx, Sled, Request, DiscordGo