

Aditya Agrawal

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[GitHub](#)

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<https://www.adityaagrawal.dev/>

Summary

Passionate Software Developer with extensive experience in designing and developing scalable applications. Proven ability to collaborate effectively in Agile development environments. Adept at building complex web applications and large-scale web services with a focus on quality, privacy, accessibility, and security.

Skills

Languages: Python, JavaScript, TypeScript, HTML, CSS, R, Java, C, Kotlin, OCaml, Elixir, Go, Dart
Frameworks: React, Next.js, Redux, Express.js, MUI, React Native, Firebase, Supabase, Flutter, Tkinter
Databases: MongoDB, MySQL, PostgreSQL, Firestore
Cloud & DevOps: Docker, GCP, Vercel, CI/CD
Workflow: Git and Github, Unit Testing, Agile Development

Relevant Experience

Software Developer - Co-op, Vancouver College of Massage Therapy

May 2023 - May 2024

- Developed a full-stack internal tool for the clinic Mend at VCMT
- Created a user-friendly frontend using Retool and Next.js
- Designed and implemented the backend and database architecture using Prisma ORM
- Developed a student portal for 300+ students
- **Tech Stack:** Retool - Next.js - PostgreSQL

Full Stack Development Intern, Nomatic Techworks

February - May 2022

- Developed a location-based filtering system for an online book marketplace using MERN stack
- Contributed to a Flutter-based health-tracking app
- Maintained timelines and met deadlines with minimal supervision
- **Tech Stack:** MongoDB - Express.js - React - Node.js

Projects

Judge AI – <https://judge-ai.adityaagrawal.dev/>

- Developed an AI application to provide jury verdicts
- Hosted a Python Flask API as a Docker container on Google Cloud Platform (GCP)
- Used GPT-2 LLM from HuggingFace and with Transformers
- **Tech Stack:** Python, Flask, Docker, GCP, NextJS, GPT-2
- **Documentation:** [Code](#)

Searchlight Scanner – <https://www.sartechtechnology.ca/>

- Collaborated in an agile team of 5 to build the interface for a searchlight scanner device from the ground up
- Improved performance and UI to make the scanner a marketable device
- Trained the AI detection model to include many more object categories
- Developed the UI for the application from scratch in Python using Tkinter
- Conducted sprint planning and weekly client meetings to ensure timely delivery and continuous development
- **Tech Stack:** Python, Tkinter, PIL, Nvidia Jetson

Project Buddy – <https://projectbuddy.adityaagrawal.dev/>

- Won BCIT Computing Club Choice Award in the Hack the Break 2023 Hackathon
- Built the application within a short timeframe of 27 hours in a team of 4
- Made an interactive and fun UI to engage the user with prompts and hidden features
- **Tech Stack:** Next.js, MUI, Mantine UI, Supabase
- **Documentation:** [GitHub](#), [Devpost](#), [Figma](#), [Youtube](#)

Education

Computer Systems Technology (GPA 89%)

September 2022 - May 2024

British Columbia Institute of Technology, Burnaby

Coding Bootcamp, Full Stack Web Development

March - October 2021

The Hacking School, Hyderabad, India