

# Isshana Mohanakumar

✉ imohanak@uwaterloo.ca

☎ 647-554-5022

🐙 /iissh

in /iissh

🌐 iissh.ca

## Skills

**Languages:** JavaScript, Python, Java, SQL, C, C++, C#, R, Bash/CLI, HTML, CSS

**Libraries/Frameworks:** React Native, React.js, Node.js, Next.js, Google Auth, Django, Tailwind, Recoil, Pygame

**Tools:** Postman, Git, VS Code, Jira, Office, Adobe Suite (Photoshop, XD, After Effects, Premier Pro)

**Hobbies:** Web design/development, Game design/development, Video games, Sports, Fitness

## Work Experience

### Software Developer Intern | Filament AI

May 2021 – Aug 2021

- Collaborated with a team of developers to create and deploy a student administration system with **7+** pages and **12+** features which increased the sales by **150%**. This includes:
  - Built an analytics dashboard with a **React** frontend.
  - Automated CSV data imports with **MySQL** & constructed a React page that handles large data.
- Developed an **automated** program to generate test-suites for chatbots by examining the dialog tree and executing them using Post (**Postman**) requests and **Axios.js**. Also:
  - Provides a detailed summary of the test results to ensure full chatbot coverage.
  - Sped up the testing process by **200%** by introducing the automated test flow.
- Pitched and developed an AI interview conducting chatbot that generates questions, evaluates responses, and books future interview slots if applicable.
- Improved and created **6+** UX/UI features & **functional** UI elements into production on multiple chatbots for clients.
- Adopted **agile** methodology by working in product-oriented teams through daily stand-ups and sprint-planning.

### Self-Employed | Academics Tutor

Jan 2019 – Present

- Independently gave in-person and online teaching to **20+** students ages (8 to 18) in Math, Computer Science, French and Science by constructing personalized lessons to enhance their understanding.
- Led to noticeable **improvement** in academic grades and **100%** parent & student satisfaction.

## Projects

### Play Buddies 🎮

*React Native, Tailwind CSS, Firebase, Expo, Context API, Google Auth </>*

- Designed and developed an iOS app that matches like-minded gamers using a matching-algorithm.
- Includes real-time messaging between users, Google authentication, and profile customization.

### BakaBot 🤖

*JavaScript, Node.js (Discord.js), Puppeteer, Jimp </>*

- Multi-purpose Discord Bot that uses image manipulation to alter avatars, web-scraping to display League of Legends game statistics and mini-arcade games. Currently being used in multiple servers with **3000+** users.

### Movelt! 🏃

*Python (Django), HTML, CSS, Bootstrap 4 </>*

- Fitness and wellness social-networking platform designed to connect like-minded people through blog posting.
- Users can create and customize unique accounts, upload blog posts, and read posts by others.

## Community

### Captain/Member | Various Varsity and Competitive Sports

Sept 2016 – Present

- Led and played many sports including soccer, ball-hockey, cross-country, track & field, flag football & table tennis.

### Volunteer | Tall Pines Retirement Home

May 2019 – Aug 2021

- Planned and hosted events including weekly bingo, trips to nature parks, holiday parties, and various dinners for the residents. Volunteering by communicating and spending time with seniors.

## Education

### Bachelor of Computer Science

Sept 2020 – Present

*Relevant Courses: Data Structures and Algorithms (C), Object Oriented Programming (C++)*

University of Waterloo