

# HARIT THAKKAR

+1(437) 988-3944—[github.com/HThakkar23](https://github.com/HThakkar23) —[hnhakka@uwaterloo.ca](mailto:hnhakka@uwaterloo.ca) —[linkedin.com/in/harit-thakkar](https://www.linkedin.com/in/harit-thakkar)

## TECHNICAL SKILLS

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**Languages** TypeScript, JavaScript, HTML, CSS, C++, Java, SQL, TailwindCSS, Python (Intermediate)  
**Technologies** Next.js, React, Vite, Flask, Mongo, Tailwind, MySQL, Express, PostgreSQL, Django, Pandas  
**Development** Git, Vercel, Heroku, Figma, Postman, Arduino  
**Microsoft 365** Word, Excel (Data Analysis, PivotTables, VBA, VLOOKUP), PowerPoint, Outlook, SharePoint

## EXPERIENCE

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**Software Engineering Team Lead** June 2025 - August 2025  
NeuroSpark CS *Remote*

- Managed a team of **4–5 high school developers** to design and build the business websites, improving development speed by **25%** through task delegation and agile workflows
- Finalized UI/UX design and optimized across **multiple coding languages**, reducing average page load times by **40%** and ensuring **99.9% uptime** for end-users

**Summer Camp Lead** Jul 2024 - Aug 2024  
Code Ninjas *Mississauga, ON*

- Taught **10+** students **Lua, JavaScript, and C#**, enabling them to build games and projects.
- Led engaging sessions on **block coding, circuits, and game development** by using interactive activities and incentives, fostering **early STEM interest** and boosting student participation.
- Communicated regularly with parents to share progress and address concerns, **building strong trust and relationship** that resulted in a **90% customer return rate** and **3–4 new sign-ups through referrals**.

## PROJECTS

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**Productivity Planner — GitHub — MongoDB, React, Tailwind, Recharts, Express, Typescript, Next.js**

- A full-stack productivity tool supporting **100+ tasks** per user with Pomodoro timer & calendar integration
- Implemented **JWT authentication** with **refresh tokens and cookies** for secure session persistence
- Developed **RESTful APIs & CRUD** operations for the code to produce **99.9%** uptime when deployed
- Implemented a **gamified version** for interactive user experience and included subject tagging to categorize tasks and generate productivity analytics
- Designed a responsive UI and Recharts dashboard visualizing **20+ productivity metrics**, improving task **completion by 30%** in testing.

**Germinator — GitHub — ESP32, Arduino, Sensors, OLED, Web API**

- Engineered a smart agriculture system integrating **3 sensors** (temperature, humidity, soil moisture) to monitor growth-critical conditions with **95%+ reading accuracy**.
- Built an **OLED interface** to display real-time data and implemented **5+ IR remote functions** for seamless user interaction.
- Designed a pipeline to transmit readings every **30s** to Google Sheets via a RESTful web API, enabling **cloud logging of 10,000+ data points** for trend analysis.

## EDUCATION

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**Bachelor of Applied Science**, University of Waterloo Sep 2025 - Apr 2030  
Candidate for BAsC in Computer Engineering, Honours