

# Maruf Hossain

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[github.com/MarufHossain14](https://github.com/MarufHossain14) | [hmaruf.com](http://hmaruf.com)

## EDUCATION

<b>Wilfrid Laurier University</b> <i>Bachelor of Science in Computer Science &amp; Mathematics</i>	Waterloo, ON, Canada Winter 2023 – Present
<ul style="list-style-type: none"><li>Selected Coursework: Algorithms, Operating Systems, Computer Networks, Databases, Machine Learning, Discrete Mathematics, Linear Algebra II, Probability &amp; Statistical Inference, Optimization</li><li>Activities: Operations Lead, Laurier Muslim Students' Association; VP Operations, Laurier Cricket Club</li></ul>	

## EXPERIENCE

<b>VP of Engineering</b> <i>Aippa Health (Stealth AI Startup)</i>	Oct. 2025 – Present Waterloo, ON, Canada
<ul style="list-style-type: none"><li>Led architecture and development of AI-powered backend services using <b>FastAPI</b> and <b>PostgreSQL</b>, enabling secure data ingestion, model inference pipelines, and internal APIs</li><li>Owned backend system design and cloud deployment decisions for an early-stage healthcare platform, balancing rapid iteration with reliability, data integrity, and security requirements</li></ul>	
<b>Software Engineering Intern</b> <i>Sony Interactive Entertainment</i>	May 2025 – Aug. 2025 California, USA (Hybrid)
<ul style="list-style-type: none"><li>Built and enhanced internal backend tools using <b>Python</b> and <b>REST APIs</b>, supporting production workflows used by multiple engineering teams</li><li>Implemented and maintained <b>CI/CD pipelines</b> to automate testing and deployment, improving reliability and reducing manual release overhead for internal services</li></ul>	
<b>Software Engineering Intern — Connected Car Systems</b> <i>Mitsubishi Motors Corporation</i>	Apr. 2024 – Jul. 2024 Hybrid
<ul style="list-style-type: none"><li>Developed and maintained production vehicle connectivity and telematics components using <b>Python</b> and <b>C++</b> within safety-critical automotive systems</li></ul>	
<b>Chief Technology Officer</b> <i>Qalam Consulting</i>	Oct. 2023 – Jul. 2024 Waterloo, ON, Canada (Remote)
<ul style="list-style-type: none"><li>Led a small engineering team delivering client-facing full-stack solutions using <b>React</b> and <b>Node.js</b>, overseeing system architecture, deployments, and end-to-end feature delivery</li></ul>	
<b>Operations &amp; Data Assistant</b> <i>Pearson</i>	Jan. 2020 – Nov. 2022 Bangladesh / UK (Hybrid)
<ul style="list-style-type: none"><li>Supported large-scale examination data processing and operational workflows, handling <b>thousands of assessment records</b> across distributed international teams</li></ul>	

## PROJECTS

<b>ThinkFast Sudoku</b>   <i>Next.js, TypeScript, Firebase Realtime Database</i> <a href="#">Live</a>	Jan. 2025
<ul style="list-style-type: none"><li>Built a real-time multiplayer Sudoku web application using Next.js and Firebase Realtime Database, enabling low-latency state synchronization, room-based gameplay, and server-backed conflict resolution</li></ul>	
<b>WLU MSA Website</b>   <i>Next.js, TypeScript, Payload CMS</i> <a href="#">GitHub</a> <a href="#">Live</a>	Jan. 2022 – Present
<ul style="list-style-type: none"><li>Built and maintain the official production website for Wilfrid Laurier University's Muslim Students' Association using Next.js and Payload CMS, with CMS-driven content, SEO automation, and a responsive Tailwind UI</li></ul>	
<b>MSA App</b>   <i>React Native, Expo, TypeScript, Supabase, TanStack React Query</i> <a href="#">GitHub</a>	Sep. 2024 – Present
<ul style="list-style-type: none"><li>Built and maintain a cross-platform mobile application using React Native and Expo, with a TypeScript codebase and Supabase backend integration for data-driven community features</li></ul>	

## TECHNICAL SKILLS

**Languages:** C++, Go, Python, TypeScript, JavaScript, SQL  
**Frameworks & Libraries:** FastAPI, Node.js, React, Next.js, Flask, Astro, TanStack Query, Hono  
**Databases & Caching:** PostgreSQL, Supabase, SQLite, Redis  
**DevOps & Infrastructure:** Docker, Kubernetes (basic), CI/CD (GitHub Actions), Git, Linux  
**Cloud & Deployment:** AWS (EC2, S3), Google Cloud Platform, Vercel