

Itteba Gilani

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EDUCATION

McMaster University

B.Tech in Software Automation Engineering, Minor in Business

Hamilton, ON

Sep. 2022 – Dec 2026

EXPERIENCE

C# CAD Developer Intern

StackTeck Systems Ltd.

Jan 2025 – Aug 2025

Brampton, ON

- Reduced repetitive **CAD design tasks by 35%** by developing custom scripts in **Siemens NX**, boosting **designer productivity** and ensuring consistency across **high-volume mold projects**.
- Cut **manual setup time by 70%** by automating **job folder and project structure creation** using **C#** and **Visual Basic**, standardizing the company's **engineering file architecture**.
- Resolved over **100 technical support tickets** by assisting engineers with **NX licensing issues, file corruption recovery, and macro troubleshooting**, reducing downtime across departments.

C++ Teaching Assistant

McMaster University

Jan 2024 – Apr 2024

Hamilton, ON

- Improved **student understanding of C++ and object-oriented programming** by leading **hands-on lab sessions**, enabling practical application of core programming concepts.
- Delivered **custom troubleshooting and mentorship** through **office hours and midterm invigilation**, assisting over **120+ students** in resolving technical challenges and improving academic performance.
- Revised outdated **learning materials** by creating **supplemental C++ resources and exercises**, providing students with **additional practice** and reinforcing theoretical understanding.

Fullstack Web Developer

Illustra Design

Dec 2023 – Apr 2024

Milton, ON

- Developed a **responsive hiring agency website** using **Next.js**, increasing **user engagement** and improving the **conversion rate by 0.8%** through optimized UI/UX design.
- Integrated a **real-time chatbot** powered by **OpenAI**, enabling **24/7 visitor support** and reducing **manual inquiry response time by 90%**.
- Built a **full backend infrastructure** with **admin dashboards** for **user management and visitor analytics**, empowering business owners with **actionable insights** into customer behavior.

PROJECTS

Flo Detailing | *Next.js, Typescript, PostgreSQL, Resend* | ↗

June 2025 – July 2025

- Implemented a **fullstack car detailing website** using **Next.js** and **TypeScript**, enabling over **90+ monthly users** to **book appointments online** through a responsive, mobile-friendly interface.
- Built a **booking form system** that automatically **stores appointment data in PostgreSQL** and sends **confirmation emails** to both clients and administrators, reducing **manual scheduling time by 80%**.
- Designed an intuitive **frontend experience** with **TailwindCSS**, increasing **form completion rate by 25%** and improving overall **user engagement** through optimized responsiveness and layout.

Tempest AI. | *Next.js, Typescript, PostgreSQL, Stripe* | ↗

July 2024 – Aug 2024

- Developed an **AI-powered PDF chat application** using **Next.js** and **OpenAI APIs**, enabling users to **read, query, and interact with PDFs** through a real-time conversational interface.
- Enhanced **user engagement and retention** by implementing a **context-aware chatbot experience**, allowing detailed question-answering from document content.
- Built **premium subscription features** with **Kinde authentication** and **Stripe billing**, resulting in a **15% increase in paid user sign-ups**.

TECHNICAL SKILLS

Languages: Javascript, TypeScript, Python, C++, C#, SQL (Postgres), HTML5, CSS

Frameworks: Next.js, React, Node.js, TailwindCSS, Clerk, Stripe, Kinde

Dev Tools: Git, Github, Prisma, Supabase, Firebase, AWS S3, VS Code, Vercel, DigitalOcean

Libraries: GSAP, framer-motion, node, open-ai, shad-cn

Extras: Captain of DeltaHacks 9 Team, EcoCar Mech. Eng. Team Member, President of Coding Club