

# Avneet Singh Nijjer

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 [Avneet Singh Nijjer](#) |  [avneetnijjer](#)

Brampton, Ontario - L6X5N6, Canada

## EDUCATION

### • McMaster University

September 2024 - April 2029 (Expected)

Computer Engineering (B.Eng) - CO-OP

Hamilton, Ontario

- Relevant Coursework: Principles of Programming, Data Structures & Algorithms, Microprocessor Systems, Logic Design, and Circuit Analysis.

## PROJECTS

### • LetMeKnock: Real Estate Platform

April 2025 - September 2025

Tools: React, TypeScript, Tailwind, Supabase and more



- Built a full stack housing platform used by 20+ student testers, streamlining property search and landlord-tenant communication.
- Implemented real-time chat and interactive map-based search (Leaflet), reducing average property discovery time by 30%.
- Designed landlord dashboards for property management, payment tracking, and analytics.
- Delivered a responsive UI with secure Supabase authentication. Landlord dashboards and Student Dashboards for property management, payment tracking, and analytics.

### • Personal Portfolio

February 2025 - March 2025

Tools: TypeScript, Next, React, TailwindCSS, JavaScript, Firebase, Git



- Designed and developed a fully responsive personal portfolio website using Next.js, React.js, and TailwindCSS, optimizing for both desktop and mobile experiences
- Implemented dynamic routing and efficient state management to showcase projects, skills, and professional achievements seamlessly.
- Leveraged TypeScript and Git for robust code structure and version control, ensuring maintainability and scalability of the project.

### • Boggle

October 2024 - December 2024

Tools: Java



- Designed and implemented a fully functional Boggle word game in Java, incorporating object-oriented programming principles.
- Developed an efficient algorithm and binary search tree to generate randomized letter grids and validate word formations using a dictionary dataset.
- Multiple array's and array tracking to add functionality like undo, timer and more

## EXPERIENCE

### • Toronto District School Board

September 2023 - June 2024

Coding Instructor

Etobicoke, Ontario

- Designed comprehensive instructional materials and lesson plans for coding courses.
- Taught student's foundational concepts in programming languages, including Java, Python, and Scratch.
- Demonstrated the use of various coding-related software applications.
- Provided technical support and troubleshooting assistance to students during class sessions.

## SKILLS

- **Programming Languages:** Python, C/C++, HTML/CSS, JavaScript, TypeScript, MATLAB, LaTeX
- **Frameworks/Libraries:** Next, React, TailwindCSS, numPy, OpenCV, YOLO, Text-to-Speech, LangChain
- **Hardware:** Arduino, Quanser Technologies, Lego Robotics, Microcontrollers
- **Tools:** GitHub, Git, Figma, VS Code, MatLab, Microsoft Office (Excel, Teams, Outlook, Word, PowerPoint), AnsysGranta, AutoCAD, PrusaSlicer, MacOS, Windows, Linux
- **Certifications/Training:** WHMIS 2015, First Aid & CPR/AED (Level C), National Lifeguard, Ontario G-Class License