


Awsaf Syed

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PROFILE

Self-taught programmer and high-achieving student with a focus on robotics, full-stack development, and STEM mentorship.

ORGANIZATIONS

York Region District School Board

Volunteer

06/2024 | Markham, ON

Supported teachers from grades 3 to 8 by helping students with their daily work and keeping the classroom organized. Jumped in to assist with whatever the teachers needed to make sure the school day ran smoothly for the kids.

Markham Fairgrounds

Volunteer

03/2025 | Markham, ON

Managed ride operations and supervised groups of over 10 children at a time to make sure everyone stayed safe and followed the rules. Handled the fast-paced environment of the fairgrounds by keeping the lines moving and helping families have a great experience.

PROJECTS

Ralph: Autonomous Assistive Robot

Hardware & Software Lead

01/2026

Engineered an AI-driven vehicle to assist users with visual impairments using a **Raspberry Pi 5** and **Python**. Integrated **YOLOv8** and **MiDaS** for real-time computer vision and pathfinding while designing the power delivery circuitry and motor control logic.

BetterTeachAssist: YRDSB TeachAssist

Lead Full-Stack Developer

08/2025 – Present

Developed a cross-platform mobile application using **React Native** and **Expo** to modernize the YRDSB student grade portal. Engineered a high-performance **Go** scraper to parse raw HTML data from legacy systems, enabling features like grade prediction and real-time school analytics. Designed the end-to-end UI/UX, integrated **Supabase** for backend services, and implemented an anonymous data-sharing mode to provide peer-based academic insights to over **300+ users**.

EDUCATION

High School Diploma

Bur Oak Secondary School

09/2023 – Present | Markham, ON

WORK EXPERIENCE

Front Desk Coordinator/Cashier

Kloud Lounge

08/2025 – 09/2025 | Etobicoke, ON

- Managed front-of-house operations and point-of-sale (POS) transactions for a high-volume hospitality venue.
- Maintained 100% accuracy in cash handling and guest check-ins during peak weekend shifts.

CERTIFICATES & AWARDS

1st Degree Black Belt

Kukkiwon

06/2024

Markham Taekwondo Academy

Honour Roll

Bur Oak Secondary School

10/2024

SKILLS

Programming

TypeScript, Java, Kotlin, Python, Rust, Go

Computers & Technology

Databases, Sysadmin, Networking, Microsoft Office

Customer Service & Retail

POS Systems, Cash Handling, High-Pressure Multitasking

Collaboration

Team-based project management, technical cross-collaboration, and peer leadership

Communication

Simplifying math, science, and technical concepts to peers

INTERESTS

Photography, Robotics, Music