

Abdel-Rahman Mobarak

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EDUCATION

Queen's University

Bachelor of Computing (Computer Science, Honours) — Minor in Statistics

Expected Graduation: May 2028

Kingston, ON

EXPERIENCE

Software Developer

2026 – Present

Youth Empowering Parents

Toronto, ON

- Building a centralized dashboard to **track key metrics** for the company
- Designed and implemented frontend components, improving **usability and accessibility across devices**

IT Support Technician

2025 – Present

Alma Mater Society of Queen's University

Kingston, ON

- Reduced average ticket resolution time by **57%** by resolving **300+** technical support requests
- Eliminated **15+ hours/month** of manual inventory work by developing an automated device tracking system in **JavaScript**, managing 100+ devices across **30+** departments
- Configured and troubleshoot **LAN/Wi-Fi connectivity** issues (DNS, DHCP, IP conflicts)

Data Analyst

2025 – 2026

Queen's Sports Analytics Association

Kingston, ON

- Building **Python-based data pipelines** to clean and standardize **50K+ rows** of multi-sport performance data, reducing preprocessing time by **70%**
- Designed an **interactive dashboard** in **Python and SQL** visualizing team performance metrics across **3 varsity sports**, supporting coaching strategy decisions
- Contributing to **several analytics publications** by developing data-driven visualizations and statistical models for player performance evaluation

CHOSEN PROJECTS

Incendium Academy | *TypeScript, Prisma, Tailwind CSS* — **Live Demo**

- Contributed to developing an online STEM contest preparation platform
- Secured **funding** from Rising Youth's community service grants
- Improved user engagement by optimizing site performance through code splitting
- Enabled progress tracking by extending REST APIs with **Prisma ORM**

CostWise | *Next.js, TypeScript, PostgreSQL, Better Auth, Tailwind CSS* — **Live Demo**

- Shipped a full-stack university expense planner serving **180+ students** with budget tracking and cost breakdowns
- Designed a responsive UI/UX enabling students to receive tailored cost breakdowns across tuition, housing, and meal plans

Manchester Baby Simulator | *TypeScript* — **GitHub**

- Developed a digital recreation of the 1948 Manchester Baby Computer with **binary instruction decoding, memory registers, and control flow logic**

SKILLS

Languages: Java, Python, TypeScript, JavaScript, C++, SQL

Cloud & DevOps: AWS, Vercel, CI/CD, Git, Linux

Web & Backend: Next.js, React, Node.js, Prisma, REST APIs, Auth