Ashir Akhter

(647) 234-5417 | ashirkakhter@gmail.com | linkedin.com/in/ashir-akhter/ | https://ashir-akhter.github.io/

EDUCATION

Lassonde School of Engineering, York University   **Toronto, Ontario**
Computer Science, Bachelor of Science   *Expected August 2026*

EXPERIENCE

Grant Fund Pro   **September 2025 - Present**
AI Software Engineer - Contract Part-time   *Toronto, Ontario*
- Building **Canada's first automated intricate national grant discovery platform (1,000+ programs)**
- Processed **5,000+ grant URLs** across Canadian databases with **82% accuracy** via Python, OpenAI, Firecrawl
- Reduced JSON parsing errors by **65%** via prompt engineering, processing **3,500+ pages** per execution

Ajniha Welfare Society   **April 2024 - August 2025**
Information Technology Executive   *Toronto, Ontario*
- Effectively reduced processing fees from **9% to 2.2%** per transaction, saving **$1,600+/year** via Stripe API
- Spearheaded website initiatives resulting in a **26%** increase in users on a month-to-month basis via SEO

Extra Sauce Agency   **March 2025 - April 2025**
AI Software Developer - Contract Part-time   *Toronto, Ontario*
- Developed an AI agent for content creation to help with deep, creative, useful insights tailored to clients' brands.
- Increased the overall content creation workflow time efficiency by **40%**, reducing the need for human-in-the-loop

AI and Data Society @ York University   **October 2024 - February 2025**
Vice President of Information Technology   *Toronto, Ontario*
- Led a team of 2 IT associate executive members to streamline IT processes
- Advised club presidents on leadership and IT strategy due to prior executive experience

Catalyst Consulting Group @ Shulich School of Business   **October 2024 - January 2025**
Marketing Director   *Toronto, Ontario*
- Spearheaded marketing strategies, resulting in a **15%** increase in followers on Instagram in a 1-month period
- Collaborated with 2 engagement teams and companies: Ostomy Canada Society and Diabetes Hope Foundation

Entrepreneurship Development Association (EDA) @ York University   **September 2022 - April 2024**
Senior Advisor / President / Information Technology Executive   *Toronto, Ontario*
- Secured the most prominent sponsorship of **$5000** in EDA history from a Senior Partner at Deloitte
- Co-hosted over **3+** large-scale flagship events of up to **170** attendees per event

PROJECTS

SpotCheck (React Native, FastAPI, Anthropic Claude API)
Co-built a full-stack prototype app under **24 hours** at the 2025 NwPlus UBC Hackathon for real-time parking aid
- Led the pitch/demo featured by Major League Hacking and GitHub, earning **13.5K+ views** on Instagram
- Led backend development using Anthropic (Claude) API to simulate smart parking data from IP cameras

Mining Gas Safety AI Digital Twin (PyTorch, CUDA, Streamlit, Oracle Cloud (OCI), Docker)
- Built a GPU-accelerated mining simulation and real-time AI dashboard to model gas diffusion and detect unsafe conditions along with training a CNN classifier, and deployed live inference + auto alarm demo
- Implemented PyTorch/CUDA diffusion solver and achieved **30× speedup** vs CPU using GPU benchmark
- Containerized with Docker and deployed on Kubernetes (OKE) with a public LoadBalancer endpoint

Live Fundraising Dashboard (Node.js, Stripe, Square, Google Cloud (GCP), Firestore)
- Built live projector dashboard displaying real-time Amount Raised vs Goal, where **visually tracked $18,922 worth of transactions** (of $25K goal) **with <2s data sync latency** during highest-traffic periods
- Engineered real-time payment pipeline integrating Square + Stripe APIs via Google Cloud & Firestore, **processing 61 live transactions** while handling **peak loads of 204 donations/hour (51 in 15 minutes)**

SKILLS & ACCOMPLISHMENTS

- **Competitions & Awards:** NwPlus Vancouver UBC Hackathon, ShellHacks Miami FIU Hackathon, **1st** - MSS Case Competition, Experience Ventures Award 2025 (YSpace @ YorkU), Schulich Consulting Club UCC
- **Languages & APIs:** Java, Python, C, C#, HTML, Node.js, OpenAI, Claude, Stripe, Square, & more
- **AI/ML & Libraries:** PyTorch (CUDA), Domain Randomization, NumPy, Pandas, Matplotlib, Streamlit
- **Cloud & DevOps:** Google Cloud (GCP), Oracle Cloud (OCI), Docker, Kubernetes (OKE), CI/CD, Git