ABDULLAH OMAR

Toronto, Ontario

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EDUCATION

University of Toronto   Expected 2029
Bachelor of Science (BS), Computer Science   *Toronto, Ontario*

EXPERIENCE

Pyko Canada Ltd   June 2025 – Present
Founding Engineer | *Python, TypeScript, FastAPI, MongoDB Atlas, AWS*   *Toronto, Ontario*

- Led a 5-person engineering team through weekly sprint planning, task breakdown, and PR/code reviews to ship core product features end-to-end for a 300-user beta cohort.
- Built and shipped a Canvas LMS integration to import and sync courses and assignments into the platform using secure OAuth 2.0 authentication flows.
- Built an AI copilot using OpenAI model with structured tool/function calling to invoke backend actions that create and update course records (syllabi, assignments, deadlines, grading weights), reducing student setup time by 85%.
- Implemented a student performance analytics and insights layer using deterministic scoring with peer benchmarking, paired with an AI copilot that converts computed results into structured, personalized guidance on misconceptions and prioritized next steps under reliability and user-control constraints.
- Implemented backend privacy controls for student data, including anonymization settings, data export and account deletion flows, consent flag handling, and strict request validation to ensure safe access.

PROJECTS / EXTRACURRICULAR EXPERIENCE

PakUni   January 2026
Full-stack Project | *Python, JavaScript, FastAPI, MongoDB*   *Toronto, Ontario*

- Built an MVP centralized admissions platform for Pakistani students where applicants create one reusable profile and submit to multiple university programs through a single workflow.
- Reduced duplicated admissions data entry by ~78% across 5 applications by reusing a single Pakistan-specific applicant profile and shared document locker across submissions.

Freelance & Enterprise Designer   2022 – 2024
Self-Employed | *Photoshop, Blender, Premiere Pro, After Effects, DaVinci Resolve*   *Toronto, Ontario*

- Delivered 50+ high-performing YouTube thumbnails and a high volume of ad creatives for esports orgs and creators, balancing speed with brand consistency across platforms.
- Collaborated with creators and organizations totaling 6,000,000+ subscribers/followers, producing thumbnails and social ad creatives and iterating quickly based on feedback.
- Managed a rapid iteration cycle with a typical ~2-day turnaround, refining designs from client feedback and shipping deadline-driven assets.
- Built long-term client relationships with 15–20 repeat creators, including select full brand refreshes (templates, banners, promo graphics) aligned to consistent style guides.

Ethiopiaid   Jun 2022 – Aug 2022
Research & Design Volunteer | *Photoshop, Canva, X*   *Toronto, Ontario*

- Analyzed case studies and wrote short-form stories for social channels to raise awareness and drive engagement around employment/education initiatives.
- Designed flyers and infographics in Photoshop/Canva for fundraising events and donation campaigns; prepared platform-ready assets for Instagram/X and supported outreach scheduling.

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript
Frontend: React.js, Tailwind CSS, HTML, CSS
Backend & APIs: FastAPI, REST APIs, OAuth 2.0
AI: LLM agents, tool-calling (function/API calling), workflow automation
Databases: MongoDB, MongoDB Atlas
Apps / Tools: Git, GitHub, Docker, AWS (Basics), Figma, Photoshop