Umair Arham

647-739-2107 | contact@uarham.me | LinkedIn | GitHub | uarham.me

Education

University of Toronto   Expected May 2027
Bachelor of Science in Computer Science — Artificial Intelligence and Systems Focus   *Toronto, ON*

Technical Skills

Languages: Python, JavaScript, TypeScript, Java, SQL, C, HTML, CSS

Frameworks: LangChain, FastAPI, React, Node.js, Django, Express.js, Vue, Scikit-learn, Pandas, MCP

Tools: Azure, OpenAI, Docker, Git, Neo4j, PostgreSQL, MongoDB, OAuth2

Concepts: RESTful APIs, MLOps, RAG, CI/CD, DevOps, Unit Testing, Data Structures and Algorithms, Agile

Extracurriculars: Software Developer, UofT Network for Environmental Sustainability and Technology

Hackathons: GenAI Genesis – AI Live Sign Language Detector [Devpost Link]

Experience

UrbanFood Alliance   May 2025 - August 2025
ML Engineer Intern   *Franklin Township, NJ*
- Led development of an AI agent using **MCP** framework, providing personalized evaluations and reports to **30+ users**
- Built modular **React** components to integrate with backend APIs, enhancing UX by cutting load times by **20%**.
- Boosted response quality by **27%** through supervised fine-tuning and iterative feedback-driven model iteration
- Enabled real-time business insights by integrating **10+ APIs** and web scraping pipelines across core functions
- Collaborated with **10+** developers in an **Agile** environment, using **CI/CD** pipelines to ship updates **40%** faster

Uruk GC   January 2025 - April 2025
Software Engineer Intern   *Toronto, ON*
- Built a scalable notification system using **Twilio API** to automate task alerts, saving **7+ hours** of manual work weekly
- Optimized **500+** daily operations using a **PostgreSQL** schema via Supabase, enabling efficient scheduling workflows
- Reduced query latency by **35%** by designing a **Django** backend with strategic caching and query restructuring
- Implemented **RBAC** using **django-auth**, securing permissions and simplifying account management for **100+** users

Projects

CodeFill | GitHub | *TypeScript, Vue, Node.js, MongoDB, Express.js, OAuth2*
- Built a **full-stack** app to extract OTP codes from Gmail in one-click, supporting verification for **50+** daily users
- Architected a secure RESTful API using **Express.js** and **MongoDB**, enabling real time data retrieval with $< $ **2s** latency
- Refactored frontend into a modular **Vue** interface with session management, reducing UI loading times by **20%**

TidyTabs | Live Demo | *Python, Javascript, FastAPI, Scikit-learn, Gemini API, TF-IDF*
- Developed an **AI Chrome extension** that streamlines tab management, powering **100+** daily user interactions
- Trained a **scikit-learn ML** model to auto organize tabs into groups, achieving **90%** accuracy across **7+ categories**
- Architected a robust **RESTful** API to connect ML model to the extension, cutting querying speeds to under **1s**
- Reduced irrelevant classifications by **35%** through **confidence threshold tuning** and fallback logic for edge-cases

PromptLink | Live Demo | *Python, LangChain, FastAPI, React, Neo4j*
- Engineered a **LangChain** router to direct user prompts to optimal **LLM** workflows, cutting compute costs by **25%**
- Improved LLM accuracy by **35%** by integrating **FastAPI** scoring pipeline with CoT checks and feedback loops
- Reduced query latency by **28%** using asynchronous request handling and **context-aware** caching