

Aditya Baidur

613-790-6753 | abain023@uottawa.ca | adityabaidur.dev | linkedin.com/in/aditya-baidur | github.com/Aditya-Baidur

EDUCATION

University of Ottawa

Ottawa, ON

Honours B.Sc. in Computer Science, Entrepreneurship Stream

Expected Dec. 2026

- Relevant coursework: Design and Analysis of Algorithms, Database Systems, Distributed Databases, Programming Paradigms

EXPERIENCE

Swarmz

Remote

AI Product Engineer

Aug. 2026 – Present

- Engineer the core agentic build pipeline that transforms natural-language product requirements into deployed, running web applications for Swarmz and its white-label hosting partners
- Develop orchestration, validation, and deployment stages across the prompt-to-runtime path; diagnose generation failures and improve the reliability of produced applications

RBC

Toronto, ON

Generative AI Engineer Intern, Internal Audit

Jun. 2026 – Aug. 2026

- Built and productionized a full-stack GenAI governance platform in Python and Streamlit for internal audit teams worldwide, spanning UI, AI orchestration, prompt design, and backend workflows
- Developed an LLM-as-a-judge evaluation framework to score an internal audit assistant, isolate failure modes, and convert evaluation results into engineering recommendations
- Designed a weighted semantic-search algorithm to classify AI data-risk levels and rank governance evidence for auditors

University of Ottawa

Ottawa, ON

Junior Software Engineer

May 2026 – Jun. 2026

- Resolved an MSAL authentication failure inside an iframe and repaired an Admin Center rendering defect across a React, TypeScript, Node.js, and SQL application stack
- Debugged, tested, and shipped web-application fixes in Git-based agile workflows while coordinating requirements with IT, UX, and content stakeholders

Web & Analytics Developer

May 2025 – Apr. 2026

- Automated accessibility and content audits across 400+ webpages, cutting review cycles from weeks to hours and improving WCAG compliance scores from 88 to 92

Servera.dev

Ottawa, ON

Full Stack Engineer

Jan. 2025 – Sep. 2025

- Built and launched an AI-assisted application-generation platform for approximately 1,000 users using Next.js, TypeScript, Spring Boot, and Docker
- Implemented backend services and Clerk-based authentication across browser sessions and APIs, working end-to-end from React interfaces to containerized deployments
- Reduced deployment failures by 60% by fixing container lifecycle defects and hardening Docker and GitHub Actions workflows

PROJECTS

UseAbout | *TypeScript, Next.js, Cloudflare Workers, D1, Clerk, Stripe*

useabout.com

- Built a multi-tenant smart-link platform that routes by referrer, country, and device across creator subdomains, with authenticated administration, subscriptions, and real-time click analytics
- Designed the redirect hot path around two indexed D1 queries and moved analytics writes off the response path with `ctx.waitUntil()`, avoiding N+1 queries while preserving event-level telemetry
- Operated isolated staging, UAT, and production environments using a pnpm monorepo, OpenNext, Wrangler migrations, and Cloudflare deployments

Focusify | *Next.js, TypeScript, Cairo, Starknet*

UOttHack 7 Winner

- Built a collaborative Pomodoro decentralized application in 40 hours with Ethereum-compatible smart contracts on Starknet, rapidly learning Cairo and deploying a functional prototype

Encrypted P2P File Transfer | *Next.js, P2P Networking, SHA-256*

Ciena Challenge – 3rd Place

- Developed a peer-to-peer file-transfer system with checksum-based integrity verification using SHA-256, eliminating the need for centralized file storage

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, Java, SQL, Cairo

Frameworks: React, Next.js, Node.js, Spring Boot, Streamlit, Flask

AI & Data: LLM evaluation, semantic search, agentic workflows, prompt engineering, PostgreSQL, MySQL, MongoDB, Cloudflare D1

Infrastructure: Cloudflare Workers, Docker, GitHub Actions, Linux, REST APIs, Clerk, Stripe, Git