

Agastya Sharma

647-862-7679 | a764shar@uwaterloo.ca | agastyasharma.dev | github.com/ayastaga | linkedin.com/in/agastya-sharma-uw

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, C, C#
Cloud & Databases: AWS (S3, Bedrock), Azure (SSO), SQL (PostgreSQL, Supabase), Redis, Docker
Tools & Practices: Git, GitLab, Agile/Scrum, CI/CD pipelines, unit & regression testing
Frameworks: React, Next.js, Node.js, REST APIs, GraphQL, Redux / RTK Query, .NET / EF Core

EDUCATION

University of Waterloo Waterloo, ON
Bachelor of Computer Science, Co-op 2025 – 2030
• President's Scholarship of Distinction; Michael Egan Entrance Scholarship in Computer Science

WORK EXPERIENCE

Intercept Feb 2026 – Present
Solutions Engineering Intern (part-time) Toronto ON
• Led a 4-person team in developing an internal marketing platform that automated key workflows and served 50+ employees using React TypeScript, Node.js, and PostgreSQL
• Built a distributed TypeScript/Node.js Generative Engine Optimization (GEO) pipeline processing 347K+ inference jobs across 6 AI providers for 3 enterprise clients, generating +\$30K in ROI.
• Increased Content team efficiency by 80% by architecting and implementing an end-to-end multi-agent AI pipeline spanning agent orchestration, SharePoint-grounded RAG, and Langfuse-based evaluation
• Engineered and deployed a Flask API for converting Figma/PSD designs to HTML/OTF, saving 10+ hours of manual conversion time per design
• Reduced CI/CD pipeline times from 22 to 8 min through GitHub Actions caching and build artifact reuse across 100+ merged PRs, accelerating automated testing and production deployments

University of Waterloo May 2026 – Aug 2026
Junior Application Developer (co-op) Waterloo ON
• Built and deployed 4 production pages for an academic-review platform, implementing frontend workflows and integrating with existing APIs.
• Authored 55 Jest tests covering role-based access, routing, and file uploads, raising critical-flow coverage by 23%
• Developed proficiency in .NET/EF Core while working in an unfamiliar codebase, independently diagnosing and resolving an API-layer migration issue and adding 8 regression tests to prevent recurring data-integrity failures

Sylphia Consulting Inc. Sep 2025 – Feb 2026
Full-Stack Software Developer (part-time) Toronto ON
• Shipped a production Next.js/TypeScript application in 4 months, reaching 1000 users, raising \$10K in funding
• Deployed a cross-platform React Native app, using AWS Bedrock and S3 to support users across India
• Developed Python computer vision pipelines using PyTorch depth estimation models for image recognition

PROJECTS

parsemd – Document Context Plugin for Claude Code Aug 2026
• Built a Claude Code plugin for document/audio context injection with token budgeting, caching, page slicing, and sandboxed execution.

Memento – Memory Support for Dementia Patients Jan 2026
• Built a memory support platform with Next.js, Flask, MongoDB, REST APIs, InsightFace, Gemini, and facial embeddings, integrating real-time facial recognition and voice transcription with speaker diarization

V-JEPA Robotics Dataset Pipeline Mar 2026
• Built an 8-stage Python data curation pipeline for V-JEPA-style robotics datasets, processing raw robot logs into training-ready windows with clock-drift correction, temporal alignment, 9 quality flags, and 17D state vectors