

Aditya Patel

Windsor, ON

adityapatel0905@gmail.com | 226-260-0363 | Website: apatel.xyz | LinkedIn: aditya-patel52

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, Java, C, C++, SQL, Rust, PHP, MySQL

Tools & Cloud: Azure, Terraform, Ansible, NetBox IPAM, Git, Firebase, GCP, Docker, Supabase, AWS

Frameworks: React.js, Node.js, Express, Tailwind, PyTorch, pandas, NumPy, Scikit-learn, Matplotlib

EDUCATION

Bachelor of Computer Science (Honours)

Sep. 2023 – Apr. 2027

University of Windsor

Windsor, ON

- Minor in Mathematics

EXPERIENCE

Network Automation & Operations Intern

Jan. 2026 – Present

Enbridge

Chatham, ON

- Currently contributing to enterprise network automation and cloud infrastructure initiatives by developing Python-based scripts and utilizing Azure cloud services.
- Managing IP address management (IPAM) and network documentation via NetBox to ensure data integrity.
- Collaborating with senior engineers to identify manual bottlenecks and implement automated operational tasks.

Naval Warfare Officer

Jan. 2024 – Present

Royal Canadian Navy

Windsor, ON

- Served as Divisional Officer overseeing a cross-functional team of 17 personnel, directing day-to-day operations, welfare, and training while fostering mission effectiveness within the division.
- Administered personnel management and training oversight, maintaining qualifications and readiness records.

Teaching Assistant

Sep. 2024 – Dec. 2025

University of Windsor

Windsor, ON

- Lead weekly lab sessions to consolidate course content for 70+ students, focusing on data structures and algorithms.

Software Development Intern

Jan. 2024 – Apr. 2024

Glendor, Inc

Remote

- Utilized local LLM models to redact personal information in medical documents, achieving 99% accuracy.
- Designed automated scripts in Python to evaluate model performance, reducing manual validation time by 20+ hours, and ensuring robust evaluation across 500+ files.

PROJECTS

Reforge | TypeScript, Zod, Vitest, Vite

2026

- Built reforge-ai, an agentic orchestration engine converting probabilistic LLM outputs into deterministic behavior via native JSON repair (<5ms), semantic clamping, and production-grade observability.
- Developed guard() and forge() for end-to-end orchestration with automatic retries, provider failover, sub-millisecond performance, zero dependencies, and comprehensive multi-hop telemetry across 10+ providers.

BotBlocks | React, Three.js, Pyodide, OpenRouter API

2026

- Added LLM-powered autonomous agents to a browser robotics simulator with tool-calling loops, navigation, vision, motor control, and live AI activity monitoring.
- Delivered zero-setup browser-native experience with custom tool support and real-time agent reasoning visualization; no downloads or environment setup required.

amicooked | React, Firebase, OpenRouter API, GitHub API

2026

- Built an AI-powered GitHub portfolio auditor generating personalized career-improvement roadmaps with contribution analytics and profile quality insights.
- Won Rocket ISM Sponsor Track prize and WinHacks 2026 finalist recognition; shipped with interactive interface for real-time analysis and recommendations.

nbpull | Python, NetBox API, Automation

2026

- Engineered a read-only CLI utility for NetBox IPAM with async HTTP pagination, strict typed models, and safe batch query workflows for network ops teams.
- Published packaged tool with rich terminal output reducing manual data pulls, entry errors, and operational toil while maintaining security and integrity.