

# Aaryan Patel

(647) 854-6333 | [a52patel@uwaterloo.ca](mailto:a52patel@uwaterloo.ca) | [LinkedIn](#) | [GitHub](#) | [aaryan-patel.com](http://aaryan-patel.com)

## EDUCATION

### University of Waterloo

*Bachelor of Computer Science, Minor in Economics*

- Artificial Intelligence Specialization

Waterloo, ON

May 2027

## EXPERIENCE

### Application Developer

Jan. 2024 – May 2024

*CGI Inc.*

*Toronto, ON*

- Specialized in building and managing **cloud-based API ecosystems** using **Google Cloud Platform** as well as deploying, monitoring, and managing enterprise solutions on the cloud
- Designed and deployed a **PostgreSQL** database integrated with Keycloak, streamlining authentication process
- Leveraged **Terraform** to automate infrastructure provisioning, which optimized deployment time by up to **70%**, significantly enhancing operational efficiency

### Junior Software Developer

May 2023 – Aug. 2023

*JANA Corporation*

*Aurora, ON*

- Developed backend solutions using C#, ASP.NET, and SQL Server, contributing to the architecture, implementation, and maintenance of **pipeline integrity management** application
- Led the optimization of SQL queries, significantly enhancing the performance of the data management **REST API**, which improved **dynamic data retrieval** and display
- Introduced new visualization feature that displayed risk level results for **predictive risk analysis**, aiding in better decision-making for pipeline integrity management
- Lead migration of APIs to a **high-performance serialization library**, boosting API performance by up to **50%**

### Junior Developer

Jun. 2022 – Sep. 2022

*CGI Inc.*

*Mississauga, ON*

- Development using Angular, TypeScript, HTML & CSS, improving overall application functionality
- Lead the redesigning of a POS inventory application to better meet the specific needs of a telecom client, enhancing user satisfaction and operational efficiency
- Improved inventory management functionalities using RESTful APIs, resulting in a more intuitive user experience

## PROJECTS

### CraftsByAash | *Django, MySQL, Next.js, Stripe, Docker, AWS*

Sep. 2024 – Nov. 2024

- Full-stack **ecommerce** platform with **Amazon RDS** and **Stripe** integration for secure payment processing
- Using **JWTs** to handle account creation, login, and session management, ensuring safe & reliable user interaction
- Creating responsive UI with Next.js, leveraging **AWS S3 and CDN** for fast media delivery and smooth browsing
- Containerizing application with **Docker** for consistent environments, enabling efficient deployment and scaling

### P.E.P.P.E.R. | *Next.js, Tailwind CSS, Cloud Functions, Python*

Jan. 2024

- Compassionate **conversation chat bot** deployed as a **full-stack** web app for **DeltaHacks X Hackathon**
- Crafted humanized responses to user prompts using **OpenAI** as if it were another human talking to user
- Designed to alleviate loneliness among elderly and patients experiencing social isolation

### SpotiSize | *Next.js, Tailwind CSS, Spotify API*

July 2023 – Dec. 2023

- Worked in a team to design a web app that visualizes user's spotify data using Figma
- Uses **Spotify API** to categorize and visualize listening activity
- Uses JSON Web Tokens for **user authentication** to authorize access to their visualized data

## CERTIFICATIONS

### AWS Certified Cloud Practitioner

May 2024 – May 2027

### Google Cloud Certified Associate Cloud Engineer

Mar. 2024 – Mar. 2027

## TECHNICAL SKILLS

**Languages:** C/C++, C#, Python, SQL (MySQL, PostgreSQL, SQL Server), JavaScript, HTML5/CSS3

**Frameworks:** ASP.NET, Entity Framework, Django, React, Angular, Node.js, Nest.js, MongoDB

**Developer Tools:** Git, Docker, Google Cloud, AWS, Kubernetes, Terraform, Jenkins CI/CD, Postman