Burlington, ON
Canada

PARTH MODI

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EDUCATION

Toronto, ON	**University of Toronto**	**Sep 2021 – May 2026**

- Bachelors of Applied Science in Computer Engineering.
- Coursework: Data Structure & Algorithms; Operating Systems; Software Design; Deep Learning; Calculus III.

EXPERIENCE

Software Engineering Intern	**Amazon (AWS Step Functions)**	**May 2025 – August 2025**

- Developed an automated STPS limit increase system (using AWS CDK, Lambda and Step Functions) to grant limit increases to throttled customers, reducing service backlog and improving customer experience.
- Authored a comprehensive design doc, proposing an hourly workflow to check service capacity, analyze throttling logs, determine eligible customers and grant targeted limit increases.
- Deployed solution to pre-prod (gamma), ran in shadow mode across all AWS regions, and created wiki dashboard to monitor emitted metrics.
- Delivered extended goals including integration tests and shadow-mode deployment to production.

Data Analytics Intern	**Kijiji**	**May 2024 – April 2025**

- Migrated and enhanced a statistical Python package for gathering A/B testing results and added Google Docs report generation and Slack integration, streamlining the A/B testing process.
- Created readouts and presentations to communicate test results and actionable insights to stakeholders.
- Defined and implemented Google Analytics & Firebase tracking requirements for new product features in collaboration with product, design, and engineering teams.
- Built interactive Tableau dashboards and performed SQL-based data analysis in Databricks to support decision-making.

Co-Founder & CTO	**E2C Store**	**Apr 2021 – Present**

- Developed and launched an e-commerce platform (www.e2c.store) enabling 20+ online stores with customizable storefronts, secure payments (PayPal/Stripe), and order management.
- Engineered full-stack solution (PHP, MySQL, HTML/CSS/JS/jQuery) with SEO optimization and analytics integration.
- Built key features such as customizable storefronts, secure payment processing via PayPal and Stripe APIs, order management and marketing functionalities.

Online Instructor	**Udemy, Skillshare**	**Jun – Sep 2020**

www.udemy.com/user/parth-modi-51

- Launched 2 web development courses with 23,000+ students worldwide and 4.7/5 rating.

PROJECTS

- **GIS Mapper Software** (2023, Software Design and Communication Course Project).
  Collaborated with a team of 3 to design and develop a GIS mapping software for 10+ cities leveraging C++ and OpenStreetMap data. Utilized data structures, multithreading, and routing algorithms (e.g., Dijkstra, A*) to optimize storage, enhance performance, and enable efficient pathfinding.

- **Potluck Management Tool** (2019, www.hotpotluck.com).
  Designed and developed a user-friendly website that streamlined the process of organizing potlucks, facilitating sign-ups, menu coordination, and logistics management.

Languages and Technologies

- Java; C++; C; Python; PHP; SQL; JavaScript; HTML; CSS;
- AWS; CDK; Git; Visual Studio; Databricks; Tableau; Google Lighthouse; PhpMyAdmin;