

Aditya Patel

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EDUCATION

Toronto Metropolitan University (Prev. Ryerson University)

Sep 2021- May 2025 | [Toronto, ON](#)

BSc. (Honours) **Computer Science** CO-OP

- Dean's List (2021-22) | GPA: 3.85
- **Relevant Courses:** Data Structures, Unix C & C++, Computer Science I-II, Computer Organization I-II, Calculus I

SKILLS & INTERESTS

Programming languages: Python, C++, C#, Java, JavaScript, Lisp, HTML5, CSS, SCSS, SQL (MS SQL, SQLite3)

Tools and Framework: ASP.NET Framework, React.js, Django, jQuery, REST API's, Ajax, Bash Scripting, Linux, Unix, HTTP, XML, Bootstrap, Git, GitHub, Postman, JSON, Figma, MS office, Vim, Adobe XD, WordPress

Soft Skills: Time Management, Adaptability, Critical Thinking, Leadership, Communications, Collaboration

EXPERIENCE

SCOTIABANK | *Web Developer & Technology Analyst Intern*

May 2022 – Sep 2022 | [Toronto, ON](#)

- Engineered, deployed, and supported **Full Stack C# Projects**, across the fast-paced trading floor
- Built **3 major full stack web applications** from scratch - *Email Communication Archive* | *File Validator* | *JSON To Excel*, and their REST API functionality, operated by divisions across the bank, worldwide
- Developed, optimized, and enhanced web-based systems to improve processing efficiency and run time. Remodeling certain applications projected **38% decrease** in processing time and **21.7% hike** in userbase
- Developed **Backend RESTful API**, *SSH-FileTransfer*, utilizing SCP and SFTP protocols, to securely transfer files to remote UNIX based servers.
- Resolved **over 2000 discrepancies** from Scotiabank staff migration database by employing complex SQL queries and identified improvements in database design
- **Skills:** ASP.NET Framework, C#, jQuery, Microsoft SQL Server, JavaScript, HTML, CSS, HTTP, API's, Notion

ENACTUS TMU | *Software Developer*

Oct 2021 – Feb 2022 | [Toronto, ON](#)

- Developed the "TO Thrive" web application, an e-commerce start-up with a vision to bring the creative community together by providing tools that encourage learning and collaboration, and consequently, move our city's culture forward
- Engineered the platform using Webflow, **prototyped** in Figma and utilized SQLite3 database
- Worked with **SQL queries** to keep the website updated with the latest products and customer details
- Continually communicated with other developers by **evaluating technical solutions** and incorporating feedback
- **Skills:** Webflow, SQL, Figma, Data Analysis, Bulk Editing

PROJECTS

FilterX | [GitHub](#)

2021

- Engineered in **C programming** language, involves application of **filters** on photographs
- Custom algorithm applies filters by taking individual pixels and computing their new RGB values based on their original values, directly extracted out of the file's bytes. ("Blur", "Sepia", "Greyscale" & "mirror")
- Supports .jpeg, .jpg and .bmp files

ScotiaSimple | [GitHub](#)

2022

- Project focuses on reducing the digital-divide by creating a **'lite' app**, to enable operations in 2G- 3G networks and providing only fundamental financial operations for a user-friendly experience
- Designed and prototype in Adobe XD and Figma to visualize Scotiabank affiliated app, "ScotiaSimple"

Task-list CRUD React.js | [GitHub](#)

2022

- The Task-List Application is a complex yet easy-to-use tool for managing personal tasks. It allows the user to create, edit, and organize their to-do items, set due-dates, fuzzy search, and track their progress. Follows **React.js CRUD operations**.

Ecommerce System | [GitHub](#)

2022

- Implemented a simulated e-commerce system, **built in Java**, that enables users to place orders for items that are then shipped at their address. Each user has their own cart and account that they may add, delete, alter, and order items from

VOLUNTEERING

IEEE Toronto Metropolitan University | Software Developer (ieeetorontomu.ca)

Aug 2022 – Present | [Toronto, ON](#)

- Building, designing, and maintaining the IEEE TMU website. Creating a new robust, modern UI for university rebranding.
- Developing new functionalities into the site, like **event registration portal**, contact form etc.
- Working on **domain migration** and website rebranding (Prev. IEEE Ryerson University)
- **Organized events** like Industry night etc., attended by **more than 100 students** and industry professionals from leading tech companies and start-ups