

Mansi Patel

✉ mansijpatel321@gmail.com

🌐 mansi-patel.netlify.app

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SKILLS

Programming Languages

Libraries & Frameworks

Tools & Platforms

Databases

Java, C, Python, Excel VBA, VHDL, HTML5, CSS3, MATLAB

ReactJS, Flask, FastAPI, Spring, JavaFX, JSF

Google Cloud, Docker, Kubernetes, Git, Tomcat, Websphere, Figma, Jira, ALM

Oracle Database, MongoDB, SQL, MyBatis

EXPERIENCE

Ontario Ministry of Education

May 2023 – Aug 2024

Application Programmer Analyst

Toronto, ON

- Resolved bugs and AODA defects for 2 SOR-RL releases, and added features like a search field, form fields, and new webpages, improving the client search efficiency by 30%
- Leveraged Apache JMeter and Selenium scripts to optimize performance and track user load, reducing client-side report generation time by 50%
- Participated in a Microsoft AI hackathon, developed a Copilot model, PowerApps frontend, and presented a prototype for geospatial document processing
- Reviewed business rules to thoroughly test code, optimizing code quality which lead to a 10% decline in post-release defects

Ryan

Jul 2022 – Aug 2022

Scientific Research & Experimental Development (SRED) Intern

Mississauga, ON

- Developed an Excel workbook using Excel VBA to automate the creation of workbooks for client SRED-qualifying projects, eliminating 2 hours of manual data entry time for company staff
- Designed a system with numerous subroutines and macros for data processing to improve the speed by 15% for Profit After Tax (PAT) calculations
- Gained proficiency in Excel VBA programming within 2 days, completing the certification 100% faster during on-boarding

TMU: Faculty of Engineering

Mar 2022 – Apr 2022

GCG Coding Ambassador

Toronto, ON

- Facilitated a hands-on coding workshop for 30 participants to develop error-free programs using the C programming language
- Increased female participation in STEM by 25%, introducing elementary and secondary school students to Computer Science
- Debugged code while presenting personal experience in STEM as a female engineering student

Aviso Wealth

Jun 2021 – Aug 2021

Marketing Online Brokerage & Digital Wealth Intern

Toronto, ON

- Implemented new webpages for kXG Credential using HTML5, CSS3, and Adobe Dreamweaver to enhance the user engagement by 20%
- Collaborated with the VP of Product Marketing with the rebranding of Qtrade Direct Investing by scheduling meetings
- Designed kXG Credential webpages using HTML5 and CSS3 on Adobe Dreamweaver
- Utilized industry tools including Smartsheet, InVision, Figma, Google Analytics, Dialogue Insights, and Microsoft BI to analyze and increase rebranding task efficiency by 15%

PROJECTS

Mansi Patel's Website 🌐 (ReactJS, JavaScript, HTML5, CSS3)

Nov 2024 - Jan 2025

- Built a full-stack web application with a ReactJS front-end, and JavaScript backend
- Implemented a user-friendly interface with CSS styling and appealing color theme
- Applied custom light setting functionality for improved user experience

BizPoints: Resources Module 🌐 (ReactJS, JavaScript, MongoDB)

Nov 2024 - Jan 2025

- Developed a responsive full-stack application to provide resources and training programs for AlphaBiz Clients
- Implemented backend logic and API endpoints with real-time data IO for admin controls

Bookstore Application 🌐 (Java, JavaFX)

Mar 2022 - Apr 2022

- Full-stack app simulating a bookstore environment consisting of an owner and customer interface
- Developed features including books archive, purchasing books, points system, account registration

EDUCATION

Toronto Metropolitan University

Sept 2020 - May 2025

Software Engineering, BEng.

Toronto, ON