

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, FastAPI, Spring, JSF, Flask, JavaFX
Google Cloud, Docker, Kubernetes, Git, Websphere, Azure, 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 subroutines & macros for data processing, improving the speed of Profit After Tax calculations by 15%
- 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

- Developed webpages for kXG Credential using HTML5, CSS3, and Adobe Dreamweaver, enhancing 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

Library Management System Capstone (Python, JS, MongoDB, Docker, Kubernetes)

Sep 2024 - Apr 2025

- Led the design and development of a responsive web application deployed on Google Cloud using a microservices architecture
- Engineered a layered architecture within each microservice, maintaining isolation of features to ensure modularity and scalability
- Optimized a sleek, modern UI with high-performance data operations, including robust error and edge case handling

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

Nov 2024 - Feb 2025

- Developed a full-stack web application featuring a ReactJS front-end and JavaScript backend deployed on Netlify
- Engineered improved user experience with modern UI elements, light/dark mode functionality, and optimized performance
- Designed a responsive interface, ensuring compatibility across 20+ devices, platforms, and browsers

Rover Operator Dashboard (Azure, Docker, Python, JavaScript, HTML5, CSS3)

Mar 2025 - Apr 2025

- Innovated a responsive Python algorithm enabling rover navigation on a dynamic map and CRUD operations for disarming mines
- Deployed and tested the scalable application using Docker and Microsoft Azure with concurrent access for multiple users

EDUCATION

Toronto Metropolitan University

Sep 2020 - May 2025

BEng. in Computer Engineering, Software Engineering Specialization

Toronto, ON