Mrudini Patel

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EDUCATION

University of Guelph · Guelph, ON, Canada
Bachelor of Computing, Honours Computer Science (Co-op), Minor in Business · *Sept 2020 – Apr 2025*

Dean's Honours List
College of Engineering & Physical Sciences · *W21, W22, W23, F23*

TECHNICAL SKILLS

Languages: Python, C, Java, SQL/SQLite, JavaScript, TypeScript, YAML, HTML/CSS, SASS
Frameworks: NodeJS, jQuery, ReactJS, Bootstrap, Playwright, Cucumber, JUnit
Tools: Git, Azure, Google Cloud Platform, MS Office 365, Linux, VS Code, Docker, Postman, Jenkins, Figma

EXPERIENCE

Software Developer · Jan 2024 – Aug 2024
NCR Voyix · *Waterloo, ON*
- Contributed to the Channel Services Platform team by developing remote digital banking features and improving app responsiveness and performance by $\sim 30\%$.
- Collaborated with back-end and core API developers to integrate authentication features into a digital banking app for NCR tenants using JavaScript, React, TypeScript, YAML, and Playwright.
- Engaged in the full Agile life-cycle, including sprint plannings, retrospectives, and code/design reviews.

Cybersecurity Analyst · May 2023 – Aug 2023
Office of the Superintendent of Financial Institutions (OSFI) · *Toronto, ON*
- Conducted research using Mandiant and Flashpoint.io and presented intelligence findings with executives.
- Developed a user-friendly app enabling team members to contribute weekly cyber threat reports to OSFI's intelligence database, using Azure Sharepoint and MS Power App.

IT Cloud Intern · May 2022 – Dec 2022
Septodont · *Cambridge, ON*
- Developed automation scripts using Python and Azure DevOps, reducing manual data extraction by $\sim 90\%$.
- Developed a Python app on Azure leveraging MS Power for increased microbiological data entry efficiency.
- Configured a CyberArk REST API to extract sensitive data for 1500+ company accounts.
- Created a business analytics dashboard using Power BI and jQuery for company's annual cybersecurity report.

Web Developer & UI/UX Design Team Lead · July 2021 – May 2022
GryphHacks - University of Guelph · *Guelph, ON*
- Developed a pioneering website for the University of Guelph's first ever hackathon, utilizing HTML, CSS, and ReactJS.
- Directed and contributed to the website's UI/UX design, employing Figma prototyping to drive seamless user experiences.

Coding Workshop Mentor · Feb 2021
Guelph Women in Computer Science - University of Guelph · *Guelph, ON*
- Organised web development workshops to encourage young girls passionate about computer science. Mentored attendees on HTML and CSS fundamentals

PROJECTS

Molecule Parser | *Python, C, JavaScript, Swig, jQuery, HTML, CSS, SQLite* · May 2023
- Built a full-stack web application facilitating the visual manipulation of molecules on a 3D plane, as derived from spatial data files.
- Developed C libraries to interact with a Python web server, SQLite database, and JavaScript front-end.
- Designed front-end to adhere to UI/UX principles, for an optimized experience.

Student Class Management System | *Java* · Nov 2021
- Created a Java GUI using Swing and AWT packages to help instructors analyze and manage classes.
- Implemented OOP concepts of file I/O and hashmaps within a GUI front-end.