

OM PATEL

519-722-3440 | omhpatel7@gmail.com | [linkedin.com/in/om-patel-16m/](https://www.linkedin.com/in/om-patel-16m/) | github.com/omhpatel7 | ompatel.me

EDUCATION

McMaster University

09/2022 – 04/2026

Bachelors in Honours Computer Science (Co-op), Minor in Statistics

Hamilton, ON

- **Courses:** Concurrent Systems, Database Systems, Computer Architecture, Object Oriented Design, Data Structure & Algorithms, Automata & Computability
- **Awards:** Engineering Award of Excellence, Dean's Honour List
- **Fields of interest:** Cybersecurity (Database Security) Software Development, Data Analysis

SKILLS

Languages: Java, Python, C/C++, SQL, HTML/CSS, MATLAB, R, SQL, LaTeX, Golang

Developer Tools: Git, Google Cloud Platform, Linux, Docker, AWS (S3, EC2)

Database: MySQL, MongoDB

Skills: Microsoft Suite, Git, Adobe Creative Suite, Canva, Data Analysis, DSA, Graphic Design, OWASP Zap, SQL Injection

EXPERIENCE

Marketing VP

09/2023 – 05/2024

McMaster University's Software Engineering Society

Hamilton, ON

- Spearheaded a data-driven content strategy, resulting in a 25% increase in website traffic and a 30% rise in social media engagement.
- Utilized analytic to optimize SEO strategies and drive measurable results.
- Implemented data analytic tools to enhance marketing ROI by 15%.

Administrative Assistant

06/2021 – 01/2022

BAPS Charities

Toronto, ON

- Directed the implementation of advanced data modeling techniques, enhancing database performance and reducing query time by 50%, thereby facilitating real-time reporting.
- Utilized adept analytical skills to innovate solutions, resulting in a notable 20% increase in productivity and the streamlining of work-flows across the organization.

VOLUNTEER

Visual Media Specialist

06/2019 – 01/2024

BAPS Mandir

Toronto, ON

- Established and curated a comprehensive digital media assets library consisting of images, graphics, videos, and animations.
- Ensured adherence to brand guidelines, guaranteeing consistency across assets and optimizing message delivery to target audiences, resulting in a 25% increase in viewer ship.
- Fostered cross-functional collaboration with marketing teams, designers, and content creators, dedicating 20% of my time to offering guidance on effective visual strategies.

PROJECTS

Sorting Algorithm Visuals | *Personal Project*

- Implemented and extensively tested various sorting algorithms including Bubble Sort, Insertion Sort, and Quick Sort to efficiently organize data sets and enhance computational efficiency.
- Employed optimization techniques to refine visualizations, ensuring a seamless and intuitive user experience. This involved fine-tuning parameters such as color schemes, layout designs, and interactive features to effectively convey complex data structures and relationships.
- Utilized a diverse range of libraries and frameworks such as Matplotlib, D3.js, and Plotly to create visually compelling graphical representations.

Network Scanner | *Personal Project*

- Developed a network scanning script using Scapy to send ARP requests and receive responses, identifying all active devices within a specified IP range.

- Implemented functionality to resolve IP addresses to host-names and formatted the output to display device information including host-name, IP address, and MAC address.
- Handled exceptions to ensure robustness of the script, including errors in resolving host-names and other potential issues during the scanning process.

Classic Snake Game | *Personal Project*

- Designed and developed a classic Snake game in Java, implementing core game mechanics such as snake movement, collision detection, and food generation using object-oriented principles.
- Utilized Java Swing for the graphical user interface, creating an interactive and visually appealing game environment with dynamic score display and game over conditions.