OM PATEL

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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

Vehicle Waste Heat Recovery | *Competitive Project*

- Took the lead in a pioneering sustainability initiative focused on optimizing vehicle waste heat recovery systems.
- Worked closely with a colleague to research, design, and implement innovative solutions aimed at reducing environmental impact and promoting sustainable practices.
- Successfully achieved a 30% reduction in fossil fuel consumption and a 25% increase in the utilization of solar-powered technologies.

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.