

Yash Patel

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EDUCATION

Queen's University | Bachelor of Computer Science, Specialization in Software Development & Focus in Artificial Intelligence, Data Analytics, Cyber Security
Expected May. 2025

SKILLS

Languages: Python, Java, C, Bash, HTML, CSS, Prolog, Haskell, R, MATLAB

Frameworks: Hugo

Technologies: CUDA, BeautifulSoup, Git, MySQL, Unity, Unraid

Spoken: English (Native bilingual), Gujrati

EXPERIENCE

Computer Technician & Hotel Manager July 2014 – September 2021
HYNK Group Inc. | Sault Ste. Marie, ON

- Performed data Entry & Constructed an organized database for ease and clarity.
- Developed scripts to help automate data entry and the check-in process.
- Maintained high standards of customer service and communicated with clarity and positivity.
- Created and kept an inclusive and safe workspace for fellow employees.
- Developed the motel website for viewing by customers looking to rent a room.
- Organized room rental, housekeeping, handled transactions & money.

FIRST Robotics Mentor November 2016 – January 2019
Queen Elizabeth Public School | Sault Ste. Marie, ON

- Taught the fundamentals of robotics and programming.
- Lead a team to strive to work hard and enjoy what they work towards.
- Taught teams how to digest and understand problems and overcome difficulties.

EXTRACURRICULAR INVOLVEMENT

Third Year Representative April 2022 – April 2023
Queen's University – School of Computing | Kingston, ON

- Academic advocate for fellow computing students in my year.
- Create and assist in events for students in computing.
- Developing proper student outreach and communication.

Scribe October 2021 – April 2022
Queen's University – School of Computing | COMPSA, Kingston, ON

- Maintained and Helped write all information within the bi-weekly general assemblies.
- Ensured meeting content was accessible by transcribing, recording and uploading media.

PROJECTS

Self Hosted Server | *Python, MySQL, CUDA, Bash, Linux* September 2018 - Present

- Created a self-hosted server using Undaid (based on Linux). Hosts several docker containers with personal cloud storage, personal media service, automation to maintain organized file structure and storage and media encoding, virtual machines (Windows, Ubuntu, OS X). Hosts game servers and databases as well.

GitHub Projects | *HTML, Bootstrap, CSS, HUGO Framework, Python* December 2021 - Present

- Created a personal website with a blog system using Hugo, Bootstrap, HTML, and CS
- Created several python scripts which utilize machine learning to classify text and images for personal use
- Created a python script to utilize computer vision and machine learning to detect and notify the user for breaks

Data Analytics Projects | *MATLAB* January 2022 – December 2022

- Reported on 10 data analytics projects (linear and non-linear), such as cost prediction, clustering fruit cultivars, and perceptron initialization. Investigated polynomial regression, SVM, and optimization functions.
- Implemented data analysis methods, such as PCA, LDA, dimensionality reduction, and artificial neural networks
- Used tests to check efficiency of analyzes, such as AUC/ROC curves and confusion matrices.