

Hitenkumar Patel

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EDUCATION

BROCK UNIVERSITY

BSc. IN PHYSICS (HONORS)

Jan 2020 - 2025 | St. Catharines, ON

Cum. GPA: 3.83 / 4.0

Major GPA: 3.9 / 4.0

Honour's Dean's List (2020- 2021)

SKILLS

TECHNICAL SKILLS

Python

Flask(WT Forms, Form validation, Jinja),
Selenium, BeautifulSoup, Requests,
Decorators, REST API, Pandas

Front-End

HTML5, CSS3, Bootstrap5, JavaScript,
jQuery, React

Microsoft Office

Excel, Word, Powerpoint

Other

Git, Github, Linux, Latex, SQLAlchemy,
MySQL, Figma, Apache Spark, Apache
Hadoop, AWS, Alexa, Agile, JIRA,
Confluence

SOFT SKILLS

Trilingual Communicator

(Gujarati, Hindi, English)

Problem-solving

Teamwork

Creativity

Time-management

Research

PROFESSIONAL

DEVELOPMENT

PYTHON: MACHINE LEARNING

FREE CODE CAMP WEBSITE

Aug 2021 - In progress

AWARDS

Top 15%

89% (first year)

1st Rank

Golden Key HS

Dean's Honours List

High School diploma

WORK EXPERIENCE

INNOVATION WEB DEVELOPER | SUN LIFE FINANCIAL

Toronto

- Took ideas from research, to design, and to development using **HTML**, **CSS**, **JavaScript**, **React** and **AWS**.
- Worked in **Agile Scrum Team** and participated in sprints with help of **JIRA** and **Confluence**.
- Followed the Design Thinking methodology to create **wireframes** and **Visio** user flows for client problem statements
- Developed voice applications using **Node.js**, **Alexa Skills Kit** and **Azure Functions**.

TECHNICAL PROJECTS

10MOVIES | GITHUB

Aug 2021 | St. Catharines, ON

- Developed a website that allows users to rank movies according to their ratings and generate movie cards based on their input.
- Used **Flask (Jinja, WT Forms)** for the backend and **HTML, CSS (Flask Bootstrap), Vanilla Javascript** and **JQuery** for the frontend.
- Gathered information using **"The Movies Database" API** and stored them using **SQLAlchemy**.
- Added the ability to edit movie reviews or delete movie cards.

CAFE API | GITHUB

Aug 2021 | St. Catharines, ON

- Implemented with **Python** using **Flask** and **SQLAlchemy** to provide users with different information regarding nearby cafes as well as the option to add, remove and edit them.
- Documented the requests that can be made by calling this **API** using **POSTMAN**.

FLIGHT ALERT | GITHUB

Sept 2021 | St. Catharines, ON

- Used the Flight Search (**Python class**) and **Sheety API** to populate the Google Sheet with International Air Transport Association (IATA) codes for each city.
- Checked for the cheapest flights from tomorrow to 6 months later for all the cities in the Google Sheet using the **Flight Search API**.
- Sent an SMS Alert to user's phone about the flight, if the price is lower than the lowest price listed in the **Google Sheet** with the **Twilio API**.

ACADEMIC PROJECTS

ELECTRON CHARGE TO MASS RATIO | LAB REPORT

PHYS 1P94 – Introductory Physics III

- Made a lab report using **Latex** language which includes calculation of charge to mass ratio of electron from its radius of circular path in a uniform magnetic field.
- Used **Physicalab** to plot different readings and find the mean value of all corresponding results. Also calculating the uncertainty of the final solution to show the range of the solution.