

Om Patel

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EDUCATION

University of Toronto | Toronto, Ontario

September 2023 – May 2027

B.S. in Computer Science and Physics | GPA: 3.41/4.0

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, HTML, CSS

Framework/Libraries: NumPy, Panda, Matplotlib, Qiskit (IBM Quantum computing open-source ware), Scikit-learn, TensorFlow

PROJECTS

Quantum Computing Exploration with Qiskit

Tools: Python, Qiskit, IBM Quantum Platform

- Designed and implemented foundational quantum circuits with Qiskit; gained experience with IBM's Quantum Computing platform, exploring quantum parallelism, superposition, and entanglement.

Blocky Game

Tools: Python, PyGame, Object-oriented programming (OOP), Recursive algorithms

- Developed a "Blocky Game" in Python using PyGame, modeling hierarchical data structures with trees; designed classes with inheritance and implemented recursive operations for game mechanics and visualization.

Email Data Visualization Capstone

Tools: Python, NumPy, Panda, Matplotlib

- Used NumPy and Pandas for data extraction, cleaning, and analysis in an Email Data Visualization project; employed Matplotlib to create visualizations, demonstrating proficiency in data manipulation and interpretation.

RELEVANT EXTRACURRICULARS

Volunteer Placement Specialist | PICS | Surrey, BC

Summer 2023

- Developed and maintained a database for volunteer placements across schools, universities, and non-profits, streamlining processes.
- Integrated UN Sustainable Development Goals into 17 volunteer projects, enhancing global sustainability initiatives; created impactful flyers and brochures using Canva for effective communication and engagement.

Campus Ambassador Intern | IMUN | Vadodara, India

Sept 2022 to Oct 2022

- Led social media campaigns to raise awareness and engagement for IMUN conferences, crafted targeted advertising content to attract attendees, and provided prompt support as the primary student liaison for conference inquiries.

ACOMPLISHMENTS

- Ranked 19th out of 14,000 in HPE Code Wars competition, awarded cash prize for performance.
- Python for Everybody Specialization Certificate, earned on Coursera in April 2023, comprising 5 courses.
- Supervised Machine Learning: Regression and Classification Certificate obtained on Coursera.
- From the Big Bang to Dark Energy Certificate earned on Coursera in November 2022