

SANJAY MAHABIR

Scarborough, ON

647-465-1993 • smahab13@my.centennialcollege.ca

A creative and passionate software engineering technology student, with a proven technical acumen and experience in web development, quality assurance and troubleshooting.

HIGHLIGHTS OF QUALIFICATIONS

- Currently enrolled in the Software Engineering Technology (Co-op) Advanced Diploma program at Centennial College; Holds an Honors Bachelor of Computer Science & Electronics
- Strong communication skills, with a proven capacity to work both collaboratively and independently
- Experience with web development and creating user-oriented and responsive interfaces
- A quick learner, with the ability to adapt to new technologies and environments with ease

TECHNICAL SKILLS

- Skilled with HTML, CSS, JavaScript, PHP, SQL, Java, C#, C, C++
- Knowledgeable of Mobile App Development
- Software development including testing and QA practices, Agile methodology and SDLC
- Video editing with VSDC and image editing with GIMP
- Experience with technologies including Arduino, Raspberry Pi, Git/GitHub and Microsoft Office Suite

EDUCATION

Software Engineering Technology (Co-op) Advanced Diploma
Centennial College, Toronto, ON

Jan 2022 - Present

Courses:

Software Systems Design

Data Structures & Algorithms

Web Application Development

Testing & Quality Assurance

Java Programming

Mobile Apps Development

Honors Bachelor of Science – Computer Science & Electronics

2011 - 2014

University of the West Indies - Cave Hill Campus, Barbados

Key Projects:

- Assembled a fully functional AM/FM radio, which required soldering and use of test equipment such as an oscilloscope and a signal generator
- Built circuits for and programmed a robot to accomplish various goals

ACADEMIC PROJECTS

Java Programming

- Created a GUI application to fetch data from an Oracle SQL Database

Testing & Quality Assurance

- Gained debugging and troubleshooting skills in carrying out tests of a sample application
- Developed knowledge of the procedures for software quality control and assurance

Databases: SQL and Oracle SQL Developer

- Use SQL and PL/SQL logic to retrieve and organize data

EXPERIENCE

Webmaster

Caribbean Science Foundation, Barbados

Jan 2020 - Sept 2021

- Implemented updates and maintenance to website using WordPress
- Use HTML, CSS, JavaScript, and image editing skills to ensure a user friendly and responsive site

Coding Instructor (P/T) Caribbean Science Foundation, Barbados Oct 2018 - Sept 2021

- Provide clear and engaging instruction on foundational coding concepts to students
- Introduce new topics to students, such as voice recognition to inspire interest in technology
- Review student work and provide feedback for improvement
- Created class handouts, notes, and video materials for students

Robotics Coach (P/T) Caribbean Science Foundation, Barbados Aug 2018 - Sept 2021

- Guide students in research and design of robots in the Barbados Junior Robotics Camp program
- Fabricated robot parts and programmed robots with Arduino
- Used 3D printers to create robot components
- Ensure a safe and engaging learning environment for students to foster a passion for technology

Sales Manager VKM Enterprises, Barbados Aug 2017 - Nov 2021

- Manage accounts for supermarkets, working in the Wholesale and Distribution department
- Responsible for billing, purchase order processing and relationship management with vendors
- Confirm delivery and merchandising of procured orders for a seamless customer experience

Engineer Intern Grantley Adams International Airport, Barbados July 2010 - Aug 2010

- Developed foundational knowledge of the radar and air traffic control systems
- Assisted engineers with tasks such as changing network switches and tracing fiber optic cables

PERSONAL PROJECTS

- Alternative/Renewable Energy: Built two 60-watt solar panels using solar cells through self-teaching. It connects to a battery with a charge controller and uses a power inverter to operate various devices
- Aviation, Electronics and Technology: Passion for RC model planes, helicopters, robots, and virtual reality, resulting in developing strong troubleshooting and applied building skills. Repairs and modifies Arduino microcontrollers and Raspberry Pi minicomputers.