Sanat Nayar

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Awards:

- Top 3 Pitch for App Ideation at SparkFest 2018
- Dean's Honour List (2017 Fall, 2018 Winter)
- Certificate of Business Excellence (2017)
- Certificate of Outstanding Achievement in Information Technology (2016)
- CEMC Waterloo Math Contest top 10% in World and 1st at High School) (2015-2016)

Skills:

Programming Languages:

-Java

-Python

-JS/CSS/HTML

-VBA

-MySQL

-PHP

Programming Attributes:

-Git Version Control

-Data Structures and Basic Design Patterns

-Object Oriented Programming

-Procedural Programming

-Mobile Application Development (Android Studios)

Education:

University of Ottawa

BASC

Computer Engineering and Entrepreneurship

GPA: 3.85 / 4.00

Coursera

Project Management: The Basics for Success UC, Irvine

JS.0x: JavaScript Introduction W3X

CS-50 Harvard

Employment

Student IT Developer — Ottawa, ON
Canadian Border Services Agency (CBSA) — *09/2018—Present*

⇒ Working on Human Resource and Recruiting Systems for CBSA. Migrating data on employees and prospects to a better interface using **Visual Basics** so it can be efficiently processed by HR employees.

⇒ Improving search queries on large sets of data and creating small applications using VBA, **Macros** and **Excel** to combine databases and create charts.

Database and Web Developer — Ottawa, ON
Ottawa Sikh Society (OSS) — *05/2018—07/2018*

Part of the Government of Canada Work Placement Program

⇒ Designed and implemented a booking reservation system for OSS by modifying a **Wordpress Plugin** using **PHP** and a **MySQL database system**.

⇒ Improved layout of website using **CSS** and **HTML** and integrated new Wordpress plugins to increase fluidity of website and improve user interface.

VP of Finance — Ottawa, ON
Swappable — *09/2016—02/2017*

Student Start-up Company created through the Junior Achievement (JA) Program

⇒ Created a platform which allows for Person-to-Person exchange of goods in local High Schools

⇒ Used **Javascript, CSS** and **HTML** to make a full website and obtain a temporary domain

⇒ Handled expenses, created balance sheets and generated Profit-Loss Analysis

⇒ Gained valuable **leadership experience** while communicating and delegating tasks to members of the team and **developed interpersonal and presentation skills** by giving short pitches to potential investors.

Projects

Findish — *03/2018—Present*

⇒ Chrome Extension implementing **Yelp, Google** and **Messagebird APIs** that searches for nearby restaurants. Used **Python** and **Javascript** to implement (Ideated at CUHacks 2018).

BirdEYE — *09/2018—Present*

⇒ Raspberry Pi Bird Project (Using **Watson Visual Recognition API** and **REST APIs** to recognize birds in a bird house and send pictures to phone). Currently a work-in-progress.

Relative Location Tracker — *09/2018—Present*

⇒ Location Tracker using **IOT Cloud Services** from Windriver Systems. Under development using **Android Studios**. Also using **MessageBird** API and **Google Maps** API.

Simple Blockchain — *10/2018*

⇒ Created a Blockchain using SHA-1 Hashing Protocol and **Hash Maps**. Programmed in Java and used **Scanner, BufferReader** and **IO libraries** to read blockchain txt files. Also validated using Nonces and created a Hash Generation Algorithm.

Other Related Experience

Role	Organization	Years
Events Coordinator	**Software Engineering Student Association (SESA)**	*2018-2019*
Patronage Team	**Student Professional Awareness Conference (SPAC)**	*2018-2019*
University Delegate	**Canadian University Software Engineering Conference (CUSEC)**	*2018*
Club Executive	**STEM Club**	*2016-2017*