

Sunraj Sharma

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EDUCATION

Software Engineering Diploma | Conestoga College | Waterloo, ON

2020-2022

- ◆ **Relevant courses:** Relational Database, Embedded systems, Data Structures, Math & Statistics and Cybersecurity.
- ◆ **Extra Curricular:** Conestoga Entrepreneurship Collective & Accelerator centre Client, Google Developer Club member.

EXPERIENCE

Software Developer | [InvestorCOM](#)

Aug 2022 - Nov 2022

- ◆ Provided application support for legacy systems based on **vb.net** and **C#**.
- ◆ Provided insights using **SSIS & SSRS reports**
- ◆ Designed and automated administrative tasks involving Data cleaning, Data Visualization using **SQLServer and Excel**.
- ◆ **Tech Stack:** C# (.NET), T-SQL, SQL Server, VB.NET, ASP.NET, Excel.

Co-founder | [HOOD](#) | <https://tryhood.com/>

May 2020 - Present

- ◆ A **cross platform mobile application** along side a team dedicated to connecting carpoolers with each other in an efficient, affordable, and innovative way.
- ◆ Experience in **business model development, financial modelling & projections, market analysis** from experts heading major departments at Conestoga college two of which are **Venture Lab**, and **Chair of IT at Conestoga**. Along with partnerships with **Microsoft for Startups**.

PROJECTS

Transport Management System

Oct 2021 - Dec 2021

<https://vimeo.com/745878235>

C#, .NET Framework, WPF, MySQL, XAML, SCRUM

- ◆ **C#** App that communicates with **MySQL** database to provide information regarding the transportation of certain products.
- ◆ Used **Objected Oriented Programming** principles and detected program bugs through **test-driven development**.
- ◆ We used various approaches like - **Scrum (from Agile framework)**, **UML diagrams**, and **Database Diagram**.
- ◆ Collaborated with a team of 4 using **Agile development** practises to design, document and develop the system

Windows Service TCP/IP HiLo Guessing Game

Dec 2021

<https://github.com/Sunraj751/A07-Game-as-a-service>

C#, XAML, Azure, WPF

- ◆ A **WPF** guessing game with **multi-threaded C#** server running as a Windows Service hosted on **Azure** Virtual Machine.
- ◆ Backend uses TCP/IP protocol which allowed for communication between **multiple clients and 1 remote server**.

Covid 19 Impact Analysis

Dec 2022

<https://shorturl.at/npP37>

SQL Server, Excel, Tableau

- ◆ This project focused researching, extracting, organizing (**Data Cleaning**), analyzing and finally summarizing (**Data Visualizing**) the data.
- ◆ Functions like **CTE's, Temp Tables etc** were used to complete the **Data cleaning process in SQL Server** giving us an **organized dataset**.
[Click here](#) for SQL queries.
- ◆ This **organized data** was then **analyzed** using **another set of SQL queries**, focusing on researching and storing the data in **Excel** about **Global Number of cases, Total Deaths per continent, percentage of population infected in select countries and percent of population infected in the whole world**. [Click here](#) for SQL queries.
- ◆ This **summarized data** stored in **Excel**, is **presented** using **Tableau** with various maps and graphs.

Fundamental Financial Analysis

Dec 2022

https://github.com/Sunraj751/Financial_Analysis

Python, pandas, numpy, seaborn, matplotlib, Jupyter

- ◆ This project analyzes a **company's financial data** to provide **risk assessments** and **predicting future stock price movements**.
- ◆ **yfinance** is used to **gather financial data**. **Heat-map** is used to check for any **missing data** and **cleaning** is done using **python** in **Jupyter**.
- ◆ Data is **visualized** using **Line** and **Candlestick chart**. **Risk management** involves checking Standard deviation, risk vs return and percent change. **Future movements** are predicted by plotting **Simple Moving Average, Golden Cross** and **Bollinger Band**.

✓ Check out my website for all other projects: https://sunraj751.github.io/Sunraj_Portfolio/

CERTIFICATIONS

Jan 2023 CBRE, Project Management Virtual Experience Program

[Cert ID: 7ARfPyTxnq8ZQDYPw](#)

Nov 2022 PMI-LinkedIn, Business Analysis Foundation

[Cert ID: AZUmUiRIAwEABuXaOI2zJyNCrtrw](#)

Nov 2020 Google, Digital Marketing

[Cert ID: 9J8P6YN9M](#)

SKILLS

Languages: C#, C, C++, Javascript, Java, Python, HTML/CSS, SQL, T-SQL, ARM Assembly, 6808 Assembly, Bash scripting

Framework: .NET Core & Framework, MySQL, SQL Server, Ruby on Rails, React.js, Node.js

Libraries & Tools: Pandas, Numpy, Visual studio, Github, Azure, AWS

Other Skills: Agile Methodologies, RDBMS, Ethical Hacking, Test Driven Development, Project Management