

# Sunraj Sharma

Guelph, ON | 226-979-3227 | [sunraj751@gmail.com](mailto:sunraj751@gmail.com) | [LinkedIn](#) | [Github](#) | [https://sunraj751.github.io/Sunraj\\_Portfolio/](https://sunraj751.github.io/Sunraj_Portfolio/)

## EDUCATION

**Software Engineering Diploma** | Conestoga College | Waterloo, ON 2020-2022

- **Relevant courses:** Relational Database, Data Structures, Math & Statistics, Web Development and Cybersecurity.
- **Extra Curricular:** Conestoga Entrepreneurship Collective's Venture Lab Client, Accelerator centre Client, Google Developer Club member.

## EXPERIENCE

**Software developer** | [InvestorCOM](#) Aug 2022 - Nov 2022

- Designed and **automated data extraction** and **data transformation** processes using **SQL** and **VBA scripts** resulting in improved data quality and **reduced processing time by up to 50%**.
- Designed **Excel visualizations** that effectively **conveyed insights** on the utilization of Fund Performance API **to the administrative team**.
- Worked in **agile environment** provided application **support for legacy systems** based on **VB.NET** and **C#**.
- **Tech Stack:** VBA, VB.NET, T-SQL, SQL Server, MS Excel, C# (.NET), ASP.NET, Azure devOps.

**Co-founder** | [HOOD](#) | <https://tryhood.com/> May 2020 - Present

- Cross-platform **carpooling app for students** aiming to **reduce transportation costs and time by up to 70%, compared to Uber and bus**.
- Conducted **business analysis, market analysis, market research** and **consumer behaviour analysis**.
- Gained experience in **financial modelling**, providing valuable insights used in **financial forecasting** and **budgeting**.
- Gained exposure to **application development**, providing a better understanding of **software development lifecycles** and **methodologies**.
- **Mentored** by industry experts heading major departments at Conestoga College, including the **Director of Venture Lab** and the **Chair of IT**.
- **Received mentorship** from the **world's top 3rd business incubator, The Accelerator Centre**, and partnered with **Microsoft for Startups**.

**Freelance Software QA Tester** | [HOOD](#) | <https://tryhood.com/> May 2020 - Present

- Conducted comprehensive **testing of desktop and mobile applications**, for **companies such as Google, Facebook/Meta, BetMGM and Microsoft** to ensure the apps meet software requirements and deliver a quality user experience
- Performed **User Acceptance Testing (UAT) on software applications** to ensure optimal performance and functionality, which were then concluded in a detailed reports as per company request..
- Utilized **Requirements Traceability Matrix (RTM) to establish traceability between software requirements** and their corresponding test cases, thereby ensuring complete test coverage and facilitating the accurate tracking of defects to their source.
- Executed **exploratory testing to detect potential software defects** that may have been missed by the formal test cases or requirements.

## PROJECTS

**Transport Management System** Oct 2021 - Dec 2021  
<https://vimeo.com/745878235> C#, .NET Framework, WPF, MySQL, XAML, SCRUM

- **Assessed, researched, and analyzed business and system requirements** to design and develop Transport Management System project using **C#(.Net) with SCRUM and Agile methodologies and MySql**.
- Designed and documented the system using **Class Diagram, Sequence diagram, Use Case diagram and Schema diagrams**.
- Conducted **unit testing** following **test-driven development (TDD) methodology**.

**Financial Analysis and Risk Management** Nov 2022 - Dec 2022  
[https://bit.ly/Financial\\_Analysis\\_and\\_Risk\\_Management](https://bit.ly/Financial_Analysis_and_Risk_Management) Python, Jupyter Notebooks

- **Automated financial analysis notebook for comprehensive stock analysis, risk assessments, and future stock price prediction**.
- Utilized **Python's yfinance and pandas libraries to extract and explore the data**. Generated line and candlestick charts for **trend analysis**
- Utilized **risk management techniques** such as **percent change calculations, standard deviation measurement, and year-over-year standard deviation analysis to predict stocks to avoid**.
- Created **visualizations** like **Simple Moving Average, Golden Cross, and Bollinger Band Plots** to **evaluate investment opportunities** based on volatility and market calmness.

✔ A summarized list of all projects is available at: [https://sunraj751.github.io/Sunraj\\_Portfolio/](https://sunraj751.github.io/Sunraj_Portfolio/)

## CERTIFICATIONS

Feb 2023	Microsoft & LinkedIn, Data Analysis	<a href="https://bit.ly/Microsoft_Data_Analysis">Cert Link: https://bit.ly/Microsoft_Data_Analysis</a>
Jan 2023	CBRE, Project Management Virtual Experience Program	<a href="#">Cert ID: 7ARfPyTxnq8ZQDYPw</a>
Nov 2022	PMI & LinkedIn, Business Analysis Foundation	<a href="#">Cert ID: AZUmUiRIAwEABuXaOI2zJyNCtrrw</a>
Nov 2020	Google, Digital Marketing	<a href="#">Cert ID: 9J8P6YN9M</a>

## SKILLS

**Languages:** C, C++, C#, Python, SQL, T-SQL, VBA, VB.NET, Javascript, Java, HTML/CSS, Bash scripting  
**Framework & Libraries:** MySQL, .NET Core & Framework, React.js, Typescript, Angular, yfinance, Pandas, Numpy, Plotty  
**Tools:** MS Excel, Tableau, PowerBI, SQL Server, Visual studio, Jupyter Notebooks, Github, Azure, AWS  
**Other Skills:** Data Analytics, Ethical Hacking, Project Management, UI/UX Design, Agile Methodologies, RDBMS, Test Driven Development