Sunraj Sharma

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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 | Tester Work | **May 2021 - 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   **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/*

CERTIFICATIONS

Feb 2023	**Microsoft & LinkedIn**, Data Analysis	*Cert Link: https://bit.ly/Microsoft_Data_Analysis*
Jan 2023	**CBRE**, Project Management Virtual Experience Program	*Cert ID: 7ARfPyTxnq8ZQDYPw*
Nov 2022	**PMI & LinkedIn**, Business Analysis Foundation	*Cert ID: AZUmUiRIAwEABuXaOl2zJyNCrtrw*
Nov 2020	**Google**, Digital Marketing	*Cert ID: 9J8P6YN9M*

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