Sajeevan Paramsothy

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EDUCATION

Concordia University   **Montreal, QC**
Bachelor of Computer Science   *2022 - 2024*
Bachelor of Engineering – Software Engineering Co-op   *2021 - 2022*
- Relevant Coursework: Databases, Machine Learning and Advanced Program Design with C++

Vanier College   **St-Laurent, QC**
DEC in Computer Science and Mathematics   *2018 - 2021*

TECHNICAL SKILLS

Programming Languages: Java,Python, C++, JavaScript, Pinescript
Web Technologies: HTML5, CSS, PHP
Libraries and Tools: PyTorch, Scikit-learn, NumPy, Pandas, Git, GitHub, VS Code, NetBeans
Platforms and Collaboration Tools:: Google Colab, Microsoft Teams, Word, Excel, PowerPoint

TECHNICAL EXPERIENCE

Database developer Intern
Air Canada, Saint-Laurent, Quebec   *Sept 2022 – Dec 2022*
- Developed and optimized SQL stored procedures for employee data management and automated security audits.
- Refactored existing views and functions in Snowflake to make them easier to use and scale.
- Created technical documentation for the database artifacts to help new team members understand.

ADDITIONAL EXPERIENCE

Istore Associate
Paradies Lagardère, Montréal-Pierre Elliott Trudeau International Airport, QC   *Jun 2023 - Present*
- Helped customers find products that matched what they were looking for.
- Explained product features in simple terms to help them decide what to buy.
- Offered basic tech support and helped set up devices to make sure they worked properly.

INTERNSHIP PROJECT

Database Security and Automation Enhancement Project   2022
- Automated database checks and privileges with SQL procedures and scripts to update roles and sync permissions.
- Improved efficiency and maintainability using JavaScript in SQL for dynamic and reusable processes.
- **Technologies:** SQL, JavaScript, Snowflake.

PERSONAL PROJECT

TradingView Indicators and Strategies   2023
- Developed custom trading indicators and strategies using Pine Script on TradingView to help analyze markets.
- Improved understanding of markets, technical analysis, and algorithmic trading systems through programming.
- **Technologies:** Pine Script, TradingView.

ACADEMIC PROJECTS

CNN-Based Image Classification and Feature Extraction   2024
- Developed and trained a ResNet-34 CNN in Python and PyTorch to classify colorectal cancer images.
- Performed transfer learning with ShuffleNet V2 and validated outputs using SVM and Logistic Regression.
- **Technologies:** Python, PyTorch, NumPy, Scikit-learn, Matplotlib, GitHub, Google Collab.

DIG (Depth Illusion Generator)   2019
- Developed a Java-based graphical application to simulate depth illusions by customizing different elements.
- Engineered SQLite database storage for saving and modifying designs, enabling dynamic updates and reuse.
- **Technologies:** Java, SQLite, Animation Frameworks.