Nahom Araya

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A collaborative and creative student of Software Engineering Technology, with applied experience in **object-oriented programming, database management, system analysis, and Knowledge of the Software Development Life Cycle (SDLC)**.

EDUCATION

Centennial College | *Software Engineering Technology (Co-op)*   Dec. 2025

Relevant Courses: Unix/Linux Operating Systems, Java Programming, Advanced Database Concepts, Data Structures and Algorithms, C# Programming 3, Software Testing and Quality Assurance, Mobile Apps Development.

EXPERIENCE

Software Engineering Research Assistant   *May 2024 - Dec 2024*

Healthcare Systems R&A Inc. | Toronto, ON

- Collaborated with a multidisciplinary team to design and implement advanced application features **using React for front-end and Flask for back-end**, enhancing overall system functionality and user experience
- **Developed and deployed machine learning algorithms** to analyze patient data, detecting underlying conditions, and improving predictive healthcare capabilities, leveraging **Python** and **scikit-learn**.
- **Developed mobile apps using Flask for the back end and react for the front end.**
- Implemented **front-end app development** (desktop) and process and clean additional data for the app.
- Worked on app design (images, backgrounds, and other drawings needed for the games and overall system).

Software backend Intern   *Nov 2023 - April 2024*

Avolta. Inc | Toronto, ON

- Specialized in back-end web and mobile development for a startup working on vehicle theft prevention.
- **Used Python with the Flask framework and SQL databases**, ensuring robust server-side functionality and data management for our applications.
- Designed and constructed **API** procedures while also producing comprehensive project documentation.
- Demonstrated **proficiency in Git and GitHub** and collaborated with team members using Git workflows.
- Collaborated with cross-functional teams, **participating in code reviews**, and contributing to project success
- Showed excellent **written and verbal communication skills** while working alongside different departments.

PROJECTS

Stock Trading News 🔗   2024

*Utilized **Python(Flask)** & **Twilio***

- Developed a **Python application** for real-time stock tracking and **data analysis**, integrating financial news updates.
- Leveraged **Twilio's SMS** capabilities to create a personalized alert system, ensuring users receive timely notifications about significant stock market events on their mobile devices.
- Employed Python to **analyze and parse data**, effectively identifying daily stock price changes to facilitate informed investment decisions.

Art Selling Platform 🔗   2025

*Utilized **ASP.NET Core** & **CRUD***

- Developed a robust art-selling platform using **ASP.NET Core with full CRUD functionality**.
- Designed and managed a relational database with **SQL Server and Entity Framework Core.**
- Implemented user-friendly **UI/UX** with responsive design using HTML, CSS, and JavaScript.
- Enabled dynamic Create, Read, Update, and Delete operations for artwork and user management

SKILLS & TECHNICAL TOOLS

Languages: Java, C#, Python, JavaScript & HTML/CSS

Technologies: Git, PowerBi, Jira, Pycharm, MS Visio, Visual Studio, MS Office, Excel, SQL, VBA

Libraries & Frameworks: Flask, Django, ASP.NET Core, Entity Framework, Spring, IntelliJ