

Aashik Ilangovan

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EDUCATION

UNIVERSITY OF CALGARY

BACHELOR OF SCIENCE, IN SOFTWARE ENGINEERING

GRADUATION DATE: JAN 2025

- Minor in Entrepreneurship & Enterprise.
- Relevant coursework includes *Data Structures & Algorithms, Computer Networks, Virtual Reality, Embedded Systems, Project Management, Data Base Management Systems, Human-Computer Interaction, Web Based Systems, Visualization*

SKILLS

TECHNICAL SKILLS: *Java, C, C++, C#, Python, VBA, VB6, MySQL, MongoDB, HTML, CSS, JavaScript, .NET Framework, React.js, Express.js, Node.js, MongoDB, Oracle Digital Assistant, Software Testing (JUnit, Selenium, Postman Jest), Unity Game Engine, AutoCAD, Graphic Art & Design, Video Editing*

SOFT SKILLS: *Strong Interpersonal Skills, Time Management, Leadership & Teamwork, Adaptive Learner*

WORK EXPERIENCE

JAN 2023 – AUGUST 2023

SYSTEMS DEVELOPER STUDENT, CANADIAN NATURAL RESOURCES LIMITED

- Developed and implemented user-friendly, responsive front-end interfaces for in-house applications, ensuring seamless user experiences and cross-platform compatibility. (Technologies: .NET Framework, C#)
- Designed and maintained robust back-end databases to support dynamic front-end functionalities, streamlining data retrieval and manipulation processes. (Technologies: Oracle Database, SQL)
- Optimized application performance by enhancing memory allocation strategies and implementing efficient multi-threading techniques, resulting in faster processing times and improved scalability.
- Collaborated with end-users in an *Agile*, iterative development cycle
- Automated repetitive tasks and improved workflow efficiency by developing Excel Macros, interactive buttons, and custom features for Excel templates, simplifying data entry and analysis for users.
- Worked closely with the Engineering Information Management team, gaining hands-on experience with industry-standard engineering tools such as Smart P&ID, Smart3D, and Drawing Manager

PROJECT EXPERIENCE

ONLINE RETAILER SOFTWARE SOLUTION – WAH HING MEAT SHOP

FINAL YEAR CAPSTONE PROJECT

- Lead the team as *Project Manager* with responsibilities including
 - Coordinating team activities with group members, TA's, instructors, and sponsor representatives
 - Assigning tasks, tracking deliverables, and providing updates to all relevant stakeholders
 - Mediating group discussions and serving as the primary spokesperson for the team
 - Integrating the Agile development process to ensure efficient workflow
 - Ensuring sponsor satisfaction through regular feedback and collaboration with sponsor representatives
- Managed all back-end systems, API integration, and conducted relevant testing
- Co-developed the front-end system by designing initial application and site layouts
- **Utilized: MongoDB, Express.js, React.js, Node.js, Adobe Photoshop, Docker (hosting), Exploratory and Unit Testing (Jest)**

STREAMIX – HTPC – WEB APPLICATION

HUMAN COMPUTER INTERACTION FINAL PROJECT

- Responsible for all front-end designs and development, crafting a visually appealing interface and experience for users.
- Co-developed back-end system and embedded attributes (Spotify Player, YouTube Live Player).
- Used Task-Centered System Design approach to develop application using real user feedback.
- **Utilized: HTML, CSS, JavaScript, Adobe Photoshop & Premiere Pro**

Demo Video: [Streamix - Video Demo - Aashik Ilangovan \(youtube.com\)](#)