Your Name

Toronto, ON yourname@gmail.com +1 123-456-7890 GitHub LinkedIn

Education

B.S. Computer Science Your University Sep. 2022 - May 2026

Final Evaluation Grade: 4.0/4.0 (Dean's List All Semesters)

Relevant Coursework: Computer Vision, Machine Learning Principles, Introduction to AI, Design and Analysis of Algorithms, Mathematical Theory of Probability, Computer Graphics, Combinatorial Theory, Principles of Information and Data Management, Systems Programming, Graph Theory, Data Structures

Experience

Research Assistant, University Research Lab City, State | Sep. 2024 – Present

- Updated and optimized the Mask R-CNN's source code for newer framework, CUDA, and dependency versions.
- Fine-tuned a Mask R-CNN model for image segmentation, improving accuracy from 73% to 92%.
- Engineered a generative model, achieving a 91% accuracy and a F1 score of 85%.

Software Engineer Intern, Big IT Consulting City, State | Jun. 2024 – Aug. 2024

- Developed a risk-assessment tool by analyzing healthcare and demographic datasets.
- Built and optimized a Support Vector Regression model to predict healthcare quality metrics.
- Implemented the Retrieved-Augmented Generation (RAG) framework with a large language model.

Software Engineer Intern, EdTech Startup City, State | Apr. 2022 – Aug. 2022

- Spearheaded development of an educational communication app, reducing response time between users.
- Engineered a user-friendly website, increasing user engagement and traffic by a notable percentage.

Technical Skills

Programming Languages: Java, Python, C, SQL, JavaScript, CSS, HTML, Haskell, Prolog, Assembly, C#, C++

Frameworks & Tools: Agile, PowerBI, Git, Azure DevOps, Android Studio, Bootstrap, TensorFlow, PyTorch, NumPy, Pandas, Scikit-Learn, Matplotlib, .NET, SolidWorks, CUDA

Projects

Real-Time Anomaly Detection C++, WinCap

- Developed a real-time network anomaly detection system using C++ and a network capture library.
- Implemented packet sniffing and analysis techniques to identify suspicious patterns.
- Utilized network socket API for low-level network operations.

Chef's First Recipe Java, Android Studio, Firebase, API

- Designed a recipe exploration application enabling users to discover recipes.
- Implemented user authentication and data storage.
- Incorporated detailed information for effective recipe discovery.

Energy Consumption Model Pandas, Python, Numpy, Sklearn

- Developed a machine learning model to predict energy consumption.
- Engineered features capturing relevant patterns, achieving high accuracy.