

Calvin J. Kattathara

calvinjkatt@gmail.com | (416)-848-2379 | LinkedIn: [calvin-kattathara](#) | GitHub: [Calvinjkatt](#)

EDUCATION AND CERTIFICATES

York University

Toronto, Ontario

Honors in Computer Science

Sept 2021 - Expected Graduation, August 2025

- **Related Coursework:** Data Structures & Algorithms, Objects & Design, Computer Organization & Programming, Machine Learning, Object-Oriented Programming, Databases, Discrete Math, Artificial Intelligence

EXPERIENCE

Kyndryl

Toronto, Canada

Machine Learning and Artificial Intelligence Intern

May 2024 – Jan 2025

Full Stack E-Form Parser

- Developed an Automated Form Parser System: Built a full-stack application using **React**, **Node.js**, **PostgreSQL (SQL)**, and **Python Flask** to streamline data extraction and management for banking and financial forms, significantly improving workflow efficiency by automating form parsing and data consolidation.
- Automated Data Extraction: Leveraged **AG Grid** for dynamic and interactive data visualization. Designed the system to automatically extract structured data from uploaded PDFs or wireframe forms, categorizing it into different sections for ease of access and processing.
- Master Table Integration: Implemented advanced **PostgreSQL queries to merge and analyze data** from multiple forms. Enabled historical data comparison and seamless integration of new information with previously processed forms..
- Gained experience fine-tuning OpenAI models, including creating embeddings, developing pipelines, tokenizing, and parsing PDFs. Also worked on prompt engineering and created multiple large language models (LLMs) that connect to analyze forms and generate eForms.
- **Full Development Cycle:** Participated in every phase of development, from brainstorming meetings, proof of concept (PoC) creation, and workshops to professional slide decks, presentations, and live demos. Delivered thorough code documentation, scripting, error test cases, and handled end-to-end troubleshooting and demo preparation.

PROJECTS

Library Management Systems | Java, Eclipse, Git, XML, Java Swing

Toronto, Ontario

March 2024 – April 2024

- Developed a GUI-based Java application to create an online service platform for a university library's clientele, including students, faculty, staff, and visitors.
- Utilized various software design patterns to ensure the scalability and extensibility of the system.
- Conducted comprehensive unit testing using JUnit and automated testing with Randoop to ensure the reliability and robustness of the application.

S&P 500 Machine Learning Project | Python, Jupyter, Pandas, Numpy, Seaborn

Toronto, Ontario

March 2024 – April 2024

- Developed a machine learning algorithm using Python and Jupyter Notebook to predict future S&P prices
- Employing data cleaning and optimization techniques with Pandas and NumPy
- Utilized a variety of performance measurement techniques and methodologies within operational frameworks and pipelines, ensuring comprehensive assessments of processes and systems to optimize efficiency and effectiveness.

Weather App | Javascript, HTML, CSS, React, VS-Code

Toronto, Ontario

July 2023 – July 2023

- Built a React JS weather app using OpenWeatherMap API
- Efficiently demonstrated core fundamentals in React JS and front-end development

SKILLS

Programming: Java, Python, JavaScript, HTML/CSS, SQL, Node.js, React.js, C, R

Tools: Azure, Co-Polit, PowerApps, AWS, Jupyter Notebooks, Git, PowerBi, Tableau, Junit, Open-Ai, Azure DataBricks

Frameworks & API: Pytorch, TensorFlow, Stream-lit, Flask, AJAX