

# RAJAN CHAVADA

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## EDUCATION

**Bachelor of Science - Computer Science**

SEP 2022 - APR 2026

Western University

**Extracurriculars:** RBC Student ambassador, HackWestern, Western Ai, Western Developers Society, Maple hacks

## SKILLS & OTHER

**LANGUAGES:** (proficient) Python, Java, Flask, HTML, CSS, JavaScript, XML, Access SQL, SMSS, React.js (familiar) Shell, Linux

**SKILLS:** SciKit-learn, NumPy, Pandas, Matplotlib, Seaborn, MediaPipe ML, Django, Flask, Linux OS, MySQL

**INTERESTS:** Machine Learning, DevOps, AWS, Google Cloud, 3D printing, Chess, Investing, Trading

## PROFESSIONAL EXPERIENCE

### Royal Bank of Canada, CM - Toronto Ontario

**QTS Software Developer Intern (TES)** | (HTML, CSS, JS, CMS, )

MAY 2024 - Present

- Apart of **Digital Channels** team handling RBC internal and external web pages
- Using CMS teamsite in order to maintain and apply changes, and developing software for new components

### Royal Bank of Canada, CM - Toronto Ontario

**QTS Software Developer Intern (TES)** | (Python, HTML, CSS, JS, Jira Rest API, SMSS, SQL, Flask) MAY 2023 - AUG 2023

- Spearheaded a project within **Global Equities RIBA** in order to develop a RBC CM internal application AVATAR that **automates** the **JIRA creation** process for employees in QTS
- **Communicated** with the **application security team** to **query a database** with **RBC open source/source code vulnerabilities** in order to use **JIRA's REST API** to automate the **creation of JIRA** for RBC teams running a nightly job
- Utilized **Python's Flask** to develop a **full stack** application with a **HTML, CSS, JS** frontend that employed full UI/UX functionality & fully delivered this project by the end of my term
- Utilized proper software engineering principles to document software life cycle via confluence for easy knowledge transferability

## PROJECTS

Personal Project - Toronto

**Report Reducer** | (React.js, Python, Flask, OpenAI)

MAY 2024 - Present

- Leveraging OpenAI API, I started to develop software that will take in **Financial Reports** (Quarterly Earnings, earnings, annual reports) **Summarize** the information so **investors** have an easier time when selecting stocks
- Using **React.js** frontend to handle user interface, and a **Flask Backend** in order to handle **OpenAI API**

Personal Project - Toronto

**Backend integrated Login/Registration app** | (React.js, Python, Flask, MySQL) [github repo](#)

MAR 2024 - MAR 2024

- Created a **login/registration page** using **React.js** frontend for receiving and sending data
- Employed a **Python Flask** backend to communicate with a **MySQL database** to load and store data, and **send responses** back to the frontend using **REST** apis
- Implemented **user credential validation** to ensure secure authentication

Maple Hacks - Western University

**Food Bank Locator** | (Python, React.js, Google API) [my app](#)

JAN 2023 - JAN 2023

- Created a solution that helps local community members locate & identify food box donation spots to target specific locations with more/less need for help
- Using **Google Maps API** we created a dynamic website using **React.js** in minimal time, that leveraged a **Python web scraper script** to grab relevant information and key details needed to pinpoint local donations spots near the user
- Pitched to a panel of judges resulting in a **most innovative product** award

Western AI - Western University

**Project Developer** | (Python, MediaPipe, TensorFlow, OpenCV)

NOV 2022 - MAY 2023

- Using **Python Machine Learning** packages and frameworks to analyze and interpret sign language using **Computer Vision**
- **Training models** in order to detect hand signs in real time with **Media Pipe, SkLearn**, and more
- Leveraged **computer vision** technology with **Convolutional Neural Networks** to train the data and then make predictions based on the trained data acquired from Kaggle
- **Fined tuned** hyper parameters in and underwent some **feature engineering** in order to increase the accuracy of the model

Hack Western - Western University

**Machine Learning FIFA World Cup Predictor** | (Python, Flask, React.js, Google Cloud, ML) [my app](#)

NOV 2022 - NOV 2022

- Responsible for the **machine learning** portion of the project using **Google Clouds, Vertex Ai**
- Created a world cup predictor using **React** and **machine learning** models in **Python** to make cup predictions based on past **sanitized data**, finally pitching to judges from **Google, MLH**, and **Co:here** and won **Judges choice** at the hackathon