

DEEP SHAH

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EDUCATION

Western University

Sep 2021 – Apr 2025

Bachelor of Science – **Honours Specialization in Computer Science**

London, ON

- **Relevant Courses:** Computer Science Fundamentals I & II, Data Structures and Algorithms, Software Tools and Systems Programming, Discrete Structures for Computing, Introduction to Software Engineering
- Cumulative GPA: **3.45/4.00**

SKILLS

Languages: Python, Java, C, C++, HTML, CSS, JavaScript, SQL, Assembly

Frameworks/Libraries: Flask, React.js, Node.js, React Native, Pandas, NumPy, TensorFlow, Keras

Development Tools: Git, PostgreSQL, MongoDB, Firebase, Unity

Software: Visual Studio Code, PyCharm, Eclipse, CLion, Jupyter Notebook, Confluence, Jira, GitHub, Bitbucket, Unix

EXPERIENCE

Project: Human City

Jan 2023 – Present

Full Stack Developer Intern

Toronto, ON

- Building a mobile application with **React Native** and **Unity** that uses physical and digital space through an **Augmented Reality** lens feature, which is projected to increase user productivity by **17%** when creating community projects
- Working in an **Agile** environment to decrease app failures by **31%** by fixing **20+** bugs using **Node.js** and **Python**
- Storing AR elements and project layouts in **MongoDB**

Western Developer's Society

Oct 2022 – Present

Software Developer

London, ON

- Introducing a **hackathon** called **Western Developer's League** involving **300+** students from **15+** universities across Canada
- Designing a website with an interactive user interface using **React.js**, aiming to **maximize user activity experience**
- Implementing discord bots with **Python** to run the event **24%** more efficiently

Castlebrooke Secondary School Computer Science Club

Dec 2019 – Jun 2021

Co-Founder

Brampton, ON

- Supervised and conducted **25+** weekly **Python** and **C++** lessons/workshops for **100+** students
- Arranged and led the school's **first hackathon** and other coding competitions to prepare for the **University of Waterloo's Canadian Computing Competition**
- Saved **65% (\$1.2k)** of the annual budget by finding free alternatives to paid resources and running competitions/meetings virtually

PROJECTS

UltiMap | Java

Jan 2023 – Present

- Using **Agile methodologies** to develop a **Java** application with the **Java Swing** graphical user interface that leverages the maps available by Western University to allow users to search and explore its interior spaces **11%** faster
- Employing **Confluence** for design work/diagrams and tracking code tasks/issues with **Jira** for **boosted organization**
- Utilizing **JSON** to store map metadata locally without internet connection to increase usefulness for **data exchange** between **heterogeneous systems**
- Initiating requests to the **OpenWeather API** to showcase live weather data

MyFinance | Python, Flask, JavaScript, React.js, MongoDB

Nov 2022 – Present

- Creating a **budget visualizer** application with **React.js** to keep track of the difference between income and expenses, saving users **2+** hours/month
- Hosting a **Flask** back-end server handling **GET/POST requests** to receive the input data and display it **graphically**
- Pushing data into **MongoDB** to achieve a performance improvement of **14%**

Imager | Python, Tensorflow, Keras, JavaScript, React.js, Firebase

Oct 2022 – Present

- Developing an image recognition tool using **Convolutional Neural Networks** built from scratch with the **Keras Sequential** model
- Integrating **Firebase** to execute model deployment through a **React.js** based web application

INTERESTS

Artificial Intelligence | Machine Learning | Garba (Indian Dance) | Travelling | Frisbee | Soccer | Bodybuilding | Gaming