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 | Firebase | PostgreSQL | MongoDB
Software | Visual Studio Code | PyCharm | Eclipse | CLion | Jupyter Notebook | Confluence | Jira | Bitbucket | GitHub | Unix

EXPERIENCE

Project: Human City   **Jan 2023 – Present**
Full Stack Developer Intern   *Toronto, ON*
- Building a mobile application with **React Native** 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 a **Scrum** environment to decrease app failures by **31%** by fixing **20+** bugs using **Node.js**
- 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 **JavaFX** 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