

# Geet Pithadia

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[LinkedIn](#) | [GitHub](#) | [Medium](#)

## EDUCATION

### Master of Applied Computing

University of Windsor, Windsor, ON

Sept 2019 – Present

- **Courses Undertaken:** Advanced Algorithms Concepts, Applied Artificial Intelligence, Advanced Database Topics

### Bachelor of Engineering, Information Technology

Gujarat Technological University, Ahmedabad, India

July 2013 – May 2017

## SKILLS & CERTIFICATIONS

<b>Languages:</b>	Java, Python, C, JavaScript (Novice), TypeScript (Novice)
<b>Libraries/ Frameworks:</b>	Pandas, Numpy, Matplotlib, Seaborn, OpenCV, Scikit-Learn, Selenium
<b>Database Technologies:</b>	SQLServer, MongoDB (Novice)
<b>Tools:</b>	Eclipse, Jupyter Notebook, Spyder, MS Office, IntelliJ, Jira (Novice), GitHub
<b>Web Technologies:</b>	HTML5, CSS, Angular 6, ReactJS (Novice)
<b>Cloud Technologies:</b>	IBM Cloud (Novice)
<b>Certifications:</b>	Machine Learning (12 weeks, Coursera), Neural Networks and Deep Learning (4 weeks, Coursera)

## WORK EXPERIENCE

### Technical Writer

Towards Data Science

Mar 2020 – Present

- Contributing writer publishing a list of articles spanning over the varied topics of Artificial Intelligence.

### Software Engineer (Research & Development)

Infosys Pvt. Ltd, Bengaluru, India

June 2017 – June 2019

- Contributed to **Infosys Enterprise Data Privacy Suite (iEDPS)** by developing and deploying the Web Application and Desktop Application using technologies and frameworks like **Eclipse RCP, Angular 6, SpringBoot**, and **Apache Tomcat**
- Improved the performance of the Web Application significantly scaling from **seconds to milliseconds** by restructuring the database and modifying the relationships among the entities
- Honored with **INSTA AWARDS** for outstanding performance for the quarter (June 18 – Sept 18)

## PROJECTS

### COVID-19 Simulation (University of Windsor)

Mar 2020 – Apr 2020

- Technologies and Concepts used: **Python, Mesa**
- Developed a simulation for the spread of COVID-19 leveraging the mathematical equations of the SIR compartmental model
- Modelled the effect of Self Isolation on the spread of the virus.

### Digit Recognition from User Images

Apr 2020 – Apr 2020

- Technologies and Libraries used: **Python, Keras, TensorFlow, Scikit-learn, Tkinter, OpenCV**
- Built a Convolutional Neural Network with 20 layers trained on MNIST dataset attaining an accuracy of 95.67%
- Developed a GUI for user to input the digit and recognize the digit.
- Built a pipeline to recognize the digit from local user images.

### Cricket Match Analysis & Prediction (University of Windsor)

Jan 2020 – Mar 2020

- Technologies and Libraries used: **Python, Matplotlib, TensorFlow, Pandas, Scikit-learn**
- Analyzed and engineered data while building model to predict the chances of a team to win using the algorithm of Logistic Regression, Random Forest and SVM gaining an accuracy of 67%

### Web Search Engine (University of Windsor)

Oct 2019 – Nov 2019

- Technologies and Concepts used: **Java, Angular 6, Trie, HashMap**.
- Built an inverted index to store keywords from a set of web pages using Ternary Search Trie for efficient storage and TF\_IDF as a page ranking mechanism
- Improved the query processing and search results return time to few milliseconds