Yash Harshal Barve

 YashHB | Yash Harshal Barve | ML Portfolio | 11yashbarve@gmail.com | +15197226873

EDUCATION

2021 - Present	**Bachelor's of Computer Science** at *University of Waterloo*	*Avg: 83%*
2021 - Present	**Bachelor's of Business Administration** at *Wilfrid Laurier University*	*Avg: 82%*

TECHNICAL SKILLS

Languages:	Python, C, C++, Java, Bash, Racket, HTML, CSS3, JavaScript
Libraries:	Tensorflow, Keras, Numpy, Pandas, Matplotlib, Scikit, Seaborn
Platforms:	Command Line, Vim, Google Colab, VSCode, Microsoft Office, Canva

KEY PROJECTS

MNIST Digit Recognition - *Neural Networks* — *Jul 2022*

– Implemented a **3-layered Neural Network** to recognize the digit passed as input.
– Used **ReLU** activation, **adam** optimizer and **sparse_categorical_crossentropy** loss function.
– Compiled the model on **Google Colab** using **Tensorflow, Keras, numpy, pandas**. Visualized the performance of the model using a heatmap from **matplotlib** and **seaborn** libraries.
– Tested the model on **10,000** images and achieved an accuracy of **97.1%**

Game Arcade - *Python3* — *Nov 2020*

– Coded 5 games - **Tic Tac Toe, Hangman, Quizer, Number Guesser, Rock-Paper-Scissor**
– Created a **home-screen** with options to Play each game, View previous records, View credits and Exit
– Developed a **user sign-in** system by storing credentials in a **SQL database**
– Continuously **updated users' scores** and stored data in a SQL database for future access.
– Extensively **tested** the program by **developing various test-cases, edge-cases** and **invited volunteers to try to break the program**.

Movie Recommendation - *React, Bootstrap CSS, Machine Learning* — *Jan 2022*

– Developed a **Web-app** to **display information about movies.**
– Extracted information from an **API** and displayed the relevant information
– Further improved the application by adding **Movie recommender** feature using **Recommender Systems** in Machine Learning. Suggested **10 similar movies** to users based on their search.

CERTIFICATIONS

2022	**Machine Learning Specialization** by *Andrew Ng* — **Deeplearning.ai**	*Grade: 100%*
2022	**Deep Learning Specialization** by *Andrew Ng* — **Deeplearning.ai**	*Grade: 97%*
2020	**Introduction to Programming in Python** by *Eric Grimson* — **MITx**	*Grade: 98%*
2022	**Full Stack Web Development** by *Kalob Taulien* — **Udemy**	*Completed all 14 projects*

SKILLS AND INTERESTS

Graphic Design:	OneF1 on Instagram, Design team - Data Science Club at UWaterloo
Sports:	Formula 1, Cricket, Table-tennis, Badminton
Music:	Lofi Hip Hop, Symphonies, Theme songs