

(857) 384-9153
Buffalo, New York
ajinkyat@buffalo.edu

Ajinkya Talekar

Computer Science

Portfolio: ajinkyatalekar.github.io
github.com/ajinkyatalekar
linkedin.com/in/ajinkyatalekar

EDUCATION

Bachelor of Science in Computer Science, State University of New York at Buffalo
Expected: May 2026

Aug 2022 - Present

SKILLS

Programming *Advanced* - Java, Python, MySQL, SQL Server; *Intermediate* - JavaScript, CSS;
Basics - C, C++, React, Flutter
Libraries TensorFlow, Matplotlib, Pandas
Tools Microsoft Suite, Figma, Unity, Blender

EXPERIENCE AND PROJECTS

Full Feature Text to Speech Video Generator App / Reddit Scraper Bot

Jul 2022

Languages: *Python*; Libraries: *PRAW, gTTS, Selenium, and MoviePy*

- Wrote Python script to automate the process of creating text-to-speech videos of Reddit posts.
- Reduced time required to make a 3-minute video by 95% manually from ~1 hours to 3 minutes.

Mask Detection and Handwritten Digit Classification

May 2022

Languages: *Python*; Libraries: *TensorFlow, Matplotlib, Numpy*

- Designed a Transfer Learning model to predict images of people wearing masks.
- Programmed a CNN model to classify images of handwritten digits with 95% accuracy.

Wordle Puzzle Solving Algorithm

Feb 2022

Desktop version: *Java*; Web version: *JavaScript*

- Produced an algorithm to solve the 5-letter word-guessing puzzle (Wordle) in the least guesses using probability to find best-suited words.
- Optimized algorithm to solve 90% words within 4 guesses.

Percolation Theory Visualizer

Jan 2022

Desktop version: *Java*; Web version: *JavaScript*

- Built a visualizer for the popular Algorithms problem on Percolation Theory.
- Modeled to show the flow of water as sites open in real-time. Optimized by improving time complexity to run 70% faster than previous versions on small grids and exponentially faster on larger grids.

Schfit - Fitness App UI Design

Feb 2022

Figma

- Utilized Figma and Photoshop to construct a fitness app UI.

CERTIFICATIONS

Java Programming Masterclass

Aug 2022

Tim Buchalka - Udemy

- Learnt core Java concepts, data structures and algorithms.
- Used them to design full-fledged applications with GUIs as personal projects.

Scientific Computing with Python

Sept 2021

FreeCodeCamp

- 300 hour course on working with databases with Python.
- Worked with various libraries for processing and visualizing data.

JavaScript Algorithms and Data Structures

Jul 2021

FreeCodeCamp

- Applied algorithms for Object Oriented Programming problems.
- Learnt Data Structures and working with JavaScript.