

Syed Talha Ali

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SKILLS

Languages : Python, HTML/CSS, JavaScript, C, Java, Racket, Haskell, MIPS Assembly

Libraries : Bootstrap, Flask, OpenCV, Scikit-learn, Numpy, Plotly, Beautiful soup

IDEs : Visual Studio, Pycharm, Eclipse

Version Control : Git

EDUCATION AND AWARDS

University of Toronto

Aug. 2019 – May 2024

Computer Science Specialist and Minor in Mathematical Sciences

3rd Year

- **CGPA:** 3.5 on a 4.0 Scale
- **Coursework:** Data Structures, Algorithms, Databases, Computer Systems, Machine Learning

Awards

Scholarships

- **UTM Entrance Award:** \$3,000
- **University Of Toronto Scholar :** \$7,500
- **Dean's List :** Top 15% of all students

HTML, CSS, and Javascript for Web Developers Course: John Hopkins University via Coursera

2021

International Business and Technology Certificate: Gordon Graydon Highschool

2019

PROJECTS

Self Learning Drawing Bot Game

github.com/stalhaali/SelfLearningDrawingBot

- Trained a machine learning model in Python using Scikit-learn's KNeighborsClassifier; **achieved a 90%** test accuracy on drawings
- Used the **worlds largest open source doodling dataset** (Google's Quick, Draw! Dataset)
- Implemented a web app by using **Flask** as the back-end and used **HTML, CSS and JS** to create the front-end
- Processed the drawings sent from the front-end into a form readable by the trained model, using **OpenCV**, and then send the trained model's prediction back to the front-end

YouTube

Aug. 2019 – Present

Creator (@InternetReacts)

- Grew channel through social media and sponsorships to **3000 subscribers in 1.5 years**
- Created **20+ data visualizations** with a partner on sports statistics using Python libraries such as Plotly and Bar-chart-race **accumulating 2.5M total video views**
- **Featured on the pages of world renowned brands like SPORTbible, SPORF and GiveMeSport**
- **Highlights:** Goal Comparison By Age, Player Performace Comparison in UEFA's Top 5 Leagues, Messi vs Ronaldo

Animated Data Visualizer Website

github.com/stalhaali/AnimatedDataVisualizer

- Designed and released a website using Python and Flask to allow YouTube channel fans to create their own data visualizations
- **Built a database using SQLAlchemy** to keep track of user login and graph information

- Followed **scrum framework** to ensure partner and I adequately structure and manage the project

Transit System

github.com/stalhaali/CSC207-Transit-System

- **Worked in a team of 4 students** to create a Transit App in **Java**
- Used **design patterns such as MVC and singleton** to make code with great extensibility, easy to maintain and reusable
- Utilized **an agile development process and Git for version control** to structure and manage project

EXTRACURRICULAR

Canadian Ultrasound Institute and Research Centre

Aug. 2017 – 2019

Volunteer

- Taught new immigrants the basics of Microsoft Office softwares (Excel, Word and Powerpoint), gaining over **100+ volunteer hours**