

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, BeautifulSoup

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

github.com/stalhaali/SelfLearningDrawingBot

- Trained a machine learning model in Python using Scikit-learn's KNeighborsClassifier; **achieved a 90%** test accuracy on drawings
- Implented a web app by using **Flask** as the back-end and used **HTML, CSS and JS** to create the front-end
- Process the drawings sent from the front-end into a form readable by the trained model, using **OpenCV**, and then sends 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 BeautifulSoup **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

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

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**