Syed Talha Ali

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SKILLS

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

Libraries & Frameworks : React, ASP.NET Core, Django, GraphQL, Scikit-learn, Numpy, OpenCV, Bootstrap, Material UI

IDEs & Tools : Visual Studio, Pycharm, Eclipse, VirtualBox

Version Control : Git

EDUCATION AND AWARDS

University of Toronto   Aug. 2019 – May 2024

Computer Science Specialist and Minor in Mathematical Sciences   4th Year

- **CGPA**: 3.61 on a 4.0 Scale
- **Coursework (Computer Science)**: Object Oriented Design, Data Structures, Algorithm Design, Problem Solving, Complexity Analysis, Software Design, Operating Systems, Databases, Web developement
  Coursework (Math): Calculus, Linear Algebra, Statistics and Probability, Mathematical Proofs, Combinatorics

Awards

Scholarships

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

International Business and Technology Certificate: Gordon Graydon Highschool   2019

EXPERIENCE

Wish   May. 2022 – Present

Software Engineer Intern

- Collaborated with relevant stakeholders to create/improve features for Wish's merchant website using **Typescript, React, Python and Django**
- Refactored merchant performance pages that previously used a legacy **REST API** back-end to a **GraphQL** back-end
- Built internal admin tools for Marketplace Payments team

PROJECTS

Buddies - Google Developer Student Clubs   *github.com/GDSCUTM-CommunityProjects/Buddies*

- Worked in a fast moving team environment (4 members) to create a web app that serves as a funneling station for people to come and look for reliable group partners.
- Backend: **ASP.NET Core (C#), Entity Framework Core (ORM), PostgreSQL**
- Frontend: **TypeScript, ESLint (Airbnb Preset), React (Next.js), Material UI, Axios**
- Implemented core and complex features such as user profile, recommendation system, leaderboard and project dashboard
- Created a **recommendation system** to recommend users for a user's project through **Matrix Factorization and KNN algorithm**

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

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
- Implemented a web app by using **Flask** as the back-end and used **HTML, CSS and JS** to create the front-end
- Processed the images sent from the front-end into a form readable by the trained model, using **Computer Vision/OpenCV**

EXTRACURRICULAR

Canadian Ultrasound Institute and Research Centre   Aug. 2017 – 2019
Volunteer
- Taught new immigrants the basics of **Microsoft Office software (Excel, Word and Powerpoint)**, gaining over **100+ volunteer hours**