

Tuhin Ghose

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EXPERIENCE

Team Lead

ESP Design Team

09/2019 - 05/2020

Team Lead of design teams that worked on an AMBER alert like system for the Toronto Islands and designed clothing storage system for Lord Lansdowne Child Care Centre

Achievements/Tasks

- Established work procedures that fulfill design standards, health codes, and strategic directives. Used Microsoft Projects to manage deadlines and resources, and increased team efficiency.
- Prepared conceptual design specification reports for AMBER alert like system for the Toronto Islands to alert the residents of an impending flood.
- Led team to create CAD models of a clothing storage system using FUSION 360 that can be used by kindergarten students.

Virtual Internship Program Participant

KPMG

06/2019 - 07/2020

Data Analytics and Consulting

Achievements/Tasks

- Used **pandas** in **python3** to assess data quality and omit entries with incorrect/missing information.
- Created a model based on RFM analysis to target the 1000 most high value customers.
- Made plots and graphs using **seaborn** and **matplotlib** to present insight and compiled a list of high value customers.

Member, Political Advocacy

Engineers Without Borders- UofT Chapter

09/2019 - Present

Achievements/Tasks

- Worked on increasing awareness about different candidates by designing posters and having booths that increased outreach of the 2019 Federal elections.
- Planned logistics, designed the presentation and helped organize the Sustainability Industry panel that was attended by >50 people.
- Did research, and aided the social media team to create posts and spread awareness about Women in STEM.

EDUCATION

COMPUTER ENGINEERING

University of Toronto

09/2019 - Present

Relevant Coursework

- Computer Fundamentals using C (Done)
 - Engineering Strategies and Practices 2(Done)
 - OOP using C++ (fall 2020)
 - Communication and Design using C++ (winter 2020)
- GPA:
sGPA:
- Awards:
- Deans's Honour List (2020)
 - Merit Certificate (2020)
- Awarded for designing Reversi bot in C that defeated course bots.

PROJECTS

Heart Disease Predictor

- **python3** program that analyzes trends between various risk factors using **pandas**, **seaborn** and **matplotlib** and uses ML models like regression, decision trees, Naive Bayes and SVM using **scikit-learn** to predict heart

Araneae

- **python3** spiderbot that uses **requests** to fetch a user entered Wikipedia URL and uses **BeautifulSoup** to scrap the page, and stores the info from the article in a text

Kryptos

- C program that utilizes dynamic memory allocation and sorting for string manipulation to encrypt/dencrypt text.

TECHNICAL SKILLS

Languages

C | C++ | Python | HTML/CSS

Libraries and Frameworks

numpy | pandas | matplotlib | seaborn | scikit-learn | bs4
requests | Bootstrap | OpenGL

Tools

VS 2019/ VS Code | PyCharm | Codelite | MATLAB | Adobe
Illustrator | MS Project | MS Office

LANGUAGES

English

Full Professional Proficiency

Hindi

Bilingual Proficiency

French

Limited Working Proficiency
DELFI Diploma Holder - A2

Bengali

Bilingual Proficiency

INTERESTS

Data Science | Entrepreneurship | Chess | Tennis
Golf | Poverty Alleviation | History | Travelling
Mystery/Thriller books | Comedy TV shows