Aaryaman Rattan

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github/https://github.com/Aaryaman2001 | https://aaryaman2001.github.io/portfolio/

EDUCATION

Toronto Metropolitan University(formerly Ryerson)   Toronto, ON | Sept 2021
COMPUTER SCIENCE(B.SC HONS)/PHILOSOPHY
GPA: 3.7/4.33 (Dean's List)
Cambridge International School   Punjab | India
HIGH SCHOOL, SCIENCES.
Percentage: 94.2/100 (School Topper)

WORK EXPERIENCE

INSTITUTE FOR SOCIAL RESEARCH | RESEARCH ASSOCIATE   Toronto, ON | June 2022 – Present

- Part of the largest university-based research centre in Canada which undertakes surveys for research projects.
- The job involves conducting telephonic interviews through CADI to complete surveys for the local public health units and Public Health Ontario. These surveys were then converted into raw data for multiple research studies
- The projects worked on involve gathering data for the planning and evaluation of public health programs and services across Ontario. The study gathers data which is used to monitor key public health issues such as flu shots, health eating, drinking and driving, sun safety, women's health.

PROJECTS

FRONT-END PORTFOLIO WEBSITE: ⬈   REACT, HTML, CSS, JAVASCRIPT

- Built a front-end portfolio website using React, CSS, HTML and JavaScript from scratch.
- Included several React hooks like useContext and useState and used 'Emailjs' to create mail form functionality.
- Designed and created responsive components included full access navigation,media queries and toggle colour theme.
- Backup link: https://aaryaman2001.github.io/portfolio/

SOCIAL MEDIA APPLICATION: ⬈   PYTHON, DJANGO, HTML, CSS, SQLITE3

- Django was used as the back-end to create a social media application that enables users to join up, log in, add a bio, publish, follow or unfollow, and like photographs from other logged in users.
- Modified free user templates' UI designs using HTML, CSS and JavaScript to make it more accessible and relevant to a social media catalogue.
- Designed an integrated database using SQLite3 that leveraged the Django framework to yield on-demand and detailed feedback, whilst also storing all the users and their uploaded content.

TICKTACKTOE WITH AI: ⬈   PYTHON, PYGAME

- Implemented the "mini-max" algorithm' to make a ticktacktoe game wherein the computer recursively chooses the best possible move as a project for Harvard's CS50 (Artificial Intelligence Course).
- Used Pygame as an illustrative framework to make the project more interactive.

SKILLS AND HOBBIES:

Languages: Java, Python, HTML, CSS, JavaScript
Web Development: HTML/CSS, Django, SQLite3, Git/GitHub, React
Miscellaneous: TMU Competetive Coding Club, Data Structures and Algorithms, Guitar, Music Production, Painting, Philosophy.