Rana Manav Singh

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EDUCATION

York UNIVERSITY *Toronto, Ontario*
*Bachelor of Science, Honors in Computer Science (*Cumulative GPA: 6.88/9.0) *Expected May 2022*
Relevant Coursework: OOPS; Data Structures; Algorithms; Software Design; Software Tools; Operating Systems; Computer networking; Database management systems; Big Data Analytics; User Interfaces

TECHNICAL STRENGTHS

Languages: Java; Python; C; C++; JavaScript, CSS; HTML5; SQL
Technologies/Tools: React; Java Swing; JavaFX; Maven; EclEmma; JaCoCo; Docker; GitHub; Bash
Platforms: Windows 10/7, Ubuntu, macOS

Certifications:
1. Microsoft Technology Associate (MTA): Introduction to Programming Using Java - Certified 2019.
2. Microsoft Technology Associate (MTA): Networking Fundamentals - Certified 2019

PROJECTS

Express Parking System (JAVA, Maven, JaCoCo) *https://github.com/Rms99/Express_parking_System*
- Developed the system for replacing manual parking spots all over Toronto, using *java* for backend, *java swing* for GUI implementation ,*CSV files* as database and used Maven to manage the libraries.
- Implemented three different users – *Admin, Parking officer and customer*.
- Customer was able to *book/cancel a parking space, view booking history and pay for parking spot.*
- Admin had the ability to *Add/Remove an officer and change the payment status of customer.*
- Parking officer roles were to *manage parking spaces(Book/remove a spot) and view customer details*.
- Wrote extensive Junit test cases for each of the above-mentioned requirements and *reached 82.1% average code coverage* for the non-GUI/Backend classes (Using EclEmma JaCoCo).

Billing System (JAVA, JAVA Swing) *https://github.com/Rms99/Billing-System/tree/master/Billing*
- Designed and implemented *Java* based billing system, used basic java concepts along with *Java Swing* (frontend) to make a billing system which calculates the *total amount* as well as has the option *to print the receipt.*

Music Player (JAVA, JavaFX) *https://github.com/Rms99/Music_Player_3*
- Developed and executed a *Java* based Music Player, using the *javax.sound library* and used *JavaFX* for GUI.
- The player can play any music file and the user is able to *load, pause/resume and loop* the music.

Calculator (Python) *https://github.com/Rms99/Calculator_python*
- Developed a calculator with a proper user-friendly GUI which can *perform Addition, Subtraction, Division, multiplication, Square root, Sin/Cos/tan* and is also able to handle *decimal and negative numbers.*

WORK EXPERIENCE

The Office of Dean, Lassonde School of Engineering, York University *Toronto, Ontario*
Student Success Mentor Lead *May 2021 – Present*
- Providing peer support by identifying student needs and make informed referrals to financial, academic, career and health resources on campus through presentations and meetings.
- Develop website and social media content to creatively collaborate with students to share ideas, provide information and promote events.

The Office of Dean, Lassonde School of Engineering, York University *Toronto, Ontario*
Events and Promotions Assistant *Sept 2020 – Apr 2021*
- Organized social activities, programs and events that increased engaged in the community.
- Created event pages and posters for events on social media platforms and managed the official website.