Richa Rani

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EDUCATION

McMaster University   **Hamilton, Ontario**
Bachelor of Engineering, Electrical Engineering and Management Co-op   *2020-2025*
- Engineering and management pairs a full engineering degree with core business education
- Involved in McMaster Makers, McMaster Engineering and Management Society, and the Solar Car project. Took part in the McMaster Engineering Competition and MacHacks. Received $1000 scholarship.

EXPERIENCE

Solar Car Project   **McMaster University**
Electrical Team Member   *Sept 2021- April 2022*
- Worked on the pedal control team and was responsible for redesigning, simulating, and building pedal control circuits.
- Used Multisim and Eagle AutoCad. Applied electrical engineering, alternative energy, and automotive knowledge.

McMaster Engineering and Management Society   **McMaster University**
Level Representative   *Sept 2021- April 2022*
- Orchestrated events for 600+ engineering and management students such as alumni nights and case competitions.
- Helped market, organize, and remain in budget for events.

SRHacks   **University of Toronto**
Mentor and Judge   *June 2021*
- Mentored 15+ students from grade 6-8 and guided them through completing the assigned task for the hackathon.
- Judged 13+ projects by analyzing 8 criteria related to java, engineering, creativity, innovation and problem solving.

McMaster Makers   **McMaster University**
Operational Team, Event Coordinator   *September 2020- April 2021*
- Coordinated 7 engineering based workshops and organized over 100 attendee's information, venue, logistics etc.
- Drafted 7 reports which focused on trends, issues and areas of improvement to ensure better future workshops.

Street Master Realty Ltd.   **Brampton, ON**
Data Entry Clerk   *Oct 2019- March 2021*
- Input property information into back end software and MLS for 100+ properties. Maintained and organized the files.
- Completed required data entry tasks within the given time frame while maintaining a high-level quality.

PROJECTS
- **Website:** Created a website to act as a personal portfolio. bit.ly/richarani
- **Grocery List Generator:** Used Web Scraping Python Library to generate grocery lists when several recipe links are input into a website. Used Python, Flask, HTML, CSS, JS, PHP
- **Sudoku Solver:** Created Sudoku Solver using Python with a backtracking algorithm

AWARDS AND ACCOMPLISHMENTS
- **1st Place Best Machine Learning Hack using Jina:** Created a web app for TechNova Hackathon. "Create My Tune" used Jina AI to recommend songs based on mood. Used machine learning and AI

SKILLS

Technical Skills*: Python, Java, HTML, CSS, Microsoft Office(Excel, PowerPoint,Word Etc) , C, C++, Git, Web interfaces, APIs, Oscilloscope, Multisim, Eagle Circuit Design, Breadboard circuitry.

Business Skills: Oral and Written Communication, Interpersonal Skills, Leadership, Cost analysis

Languages: English, Hindi, Punjabi

Check out my website!