# Tegveer Singh

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## Education
**Pursuing Bachelor of Engineering – Software Engineering**          **Currently enrolled**
**Ontario Tech University (University of Ontario Institute of Technology)**
- Part of Dean's Honor List at Ontario Tech University
- Maintained a GPA of above 3.9 throughout university

## Projects
**Development of Library Management Website**
- Designed and Developed a dynamic Library Database using Python and SQL
- The system was hosted as a website and used an API to perform necessary CRUD operations on the relations and their attributes
- Different views of the database were created using joins and aggregate functions

**Development of a Web-Based Game of Rummy-O**
- Configured a server to be hosted using NodeJS which could allow 2-4 unique players to be able to play against one another on different devices
- Conducted unit and integration testing for all functions
- Developed state, sequence, component, and deployment diagrams for the system

**Development of a Hotel Management Website**
- Created a Hotel Management website using local database on SQL
- Handled front end development using the HTML and CSS
- Web Scripting and database management was done using PHP and JavaScript

**Design of a Manually operated automata device**
- Built a 3D model of a gear assembly to assist in operation of the device
- Created engineering drawings of the proposed and built prototype

## Highlights of Qualifications
**Software Skills**
- Knowledge of Object-Oriented Programming Languages including Python, Java, C++
- Skilled in web programming languages like HTML5, CSS, JavaScript, and PHP
- Experience with JavaScript frameworks and environments like Node.js and Express
- Intermediate knowledge of app development using React/React Native
- Knowledge of other languages like C/C#, Perl
- Skilled in applying complex CRUD operations to relations using SQL
- Aptitude for database scripting and management in Python (Flask and Django).
- Knowledge of Powershell, Linux and Bash Scripting
- Proficient in use of Microsoft Office Suite (Excel, PowerPoint, Word)

**Technical Skills**
- Advanced skills in generating behavioral and structural decompositions of complex systems using Visual Paradigm and UML formats

- Knowledge of Artificial Intelligence algorithms
- Understanding of Computer Architecture and RISC style Assembly Language (NIOS-II)
- Notable experience with CAD designing on Solidworks

**Interpersonal Skills**
- Exceptional communication skills improved through multiple course presentations
- Well-honed leadership skills developed through taking lead in group work
- Strong critical thinking, time management, adaptability, and problem-solving skills

**Other Relevant Skills**
- Proficient in generating Reports, Bill of Materials and Gantt charts
- Knowledge of Data Structures and Algorithm analysis
- Basic understanding of electric circuit simulation using Xilinx and Multisim

## Work Experience

**Peer Tutor**                                          **September 2020 – Present**
**Ontario Tech University**
- Tutored students in previously excelled engineering courses
- Assisted in problem solving and studying techniques
- Communicated with pass leaders to create a well-coordinated learning environment

**Delivery Partner**                                          **May 2019 - Present**
**Uber Eats**
- Retrieved food from restaurants and delivered to customers before designated time
- Achieved high level of customer satisfaction (98%)

**Part-time Designer**                                          **June 2020 – August 2020**
**Modern Industries**
- Worked in NPD to create various products like saw blade and sanitizer dispensing system
- Referenced engineering drawings to develop CAD models of product prototypes on Solidworks

**Manager**                                          **April 2019 – October 2019**
**Marigold Indian Bistro**
- Supervised and superintended a team of multiple servers to provide customer satisfaction
- Great organization skills developed through handling phone calls and cash transactions
- Calculated weekly sale statistics and ensured proper cleanliness measures were taken

**Cashier/Grill Chef**                                          **May 2019 – August 2019**
**Harveys**
- Received proper training and worked at the grill and fryer to prepare food for customers
- Developed superior time management skills to adapt quickly to fast paced environment
- Ensured satisfactory food quality and proper hygienic measures were maintained