Sachin Chhikara

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SKILLS

- **Technical Skills:** Proficient in Python, Java, C; Proficient in PyCharm, Eclipse, Visual Studio; Self-taught HTML, CSS, JavaScript, SQL; Git; unit testing; design patterns; development in Unix/Linux environment; TCP; concurrency and multithreading; abstract data structure; algorithm design techniques; operating systems
- **Skills:** analytic problem solver; excellent interpersonal skills; flexible team player

NOTABLE PROJECTS

Three Musketeers additional features (Group, Java)
- Each group member implemented a feature to an existing game by using design patterns
- Mimicked Agile software development framework and performed four scrums, logging progress in each
- Collaborated using GitHub, where we practiced good commit messages and peer reviewed code
- Presented and showcased our implement features to fellow classmates

Mysh – Linux shell (Individual, C)
- Built commands such as echo, ls, cd, wc, pipes, background, kill, ps, and exit
- Headers and Makefiles were used for easy compilation and to organize code

Lossy Image Compressor and Decompressor (Individual, Python)
- Followed the Object Orientated Programming model
- Quad trees, modified tree data structure, was used to handle compression and decompression

WORK EXPERIENCE

Kumon   **Aug. 2018 – Aug. 2019**
Teaching Assistant   *Mississauga, ON*
- Guided students through the completion of pre-assigned worksheets and identified learning gaps.
- Liaised with parents to establish learning plans for students, monitor progress, and address concerns.
- Acted as peer mentor for students and sustained their engagement.

EDUCATION

University of Toronto   **Sept. 2019 – Apr. 2025**
Honors Bachelor of Science, Mathematical Science Major and Computer Science Minor   *Mississauga, ON*

St. Marcellinus SS   **June, 2019**
High School Diploma   *Mississauga, ON*
- Honor Roll and Business Certificate