

# Mehul Grover

Waterloo, Ontario, Canada ✉ [mehulg8142@gmail.com](mailto:mehulg8142@gmail.com) ☎ (437) 858-9454 [in](#) [Linkedin](#)

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## EDUCATION

### Bachelor of Mathematics (Co-op)

University of Waterloo • Waterloo, ON • expected 2028

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## SKILLS

Bash, Python (Django, Pandas, Pygames), Racket, HTML, CSS, JavaScript

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## PROJECTS

### [Developed a website for our startup 'Hestia' which helps students situated in Waterloo, ON find apartments and sublets.](#)

- It involves frontend using HTML, CSS and JS
- Backend using Django (Python).

### [Developed a game engine for Doudizhu in Racket](#)

- The game engine consumes three players (bots) and results the output of the game.

### [Developed two different versions of Space-Invaders in Python using Pygames](#)

- Developed two different version of Space-Invaders one which is a challenge of fast-moving bots which disappear when the bullet contacts the enemy and caps the score at 4.
- The second version is the normal version, and the bots are slower, the bots do not die on respawn and instead respawn at somewhere in the upper quarter of the play area.

### YTBC 2021

- Reached the top 500 teams in YTBC (Young Tycoons Business Challenge) 2021 with the team name 'Maalihood'.

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## ACADEMIC ACHIEVEMENTS

- Distinction and Gold Medal (School Topper) in Euclid Mathematics Competition organized by the University of Waterloo.
- Scored 99.37 percentile in JEE MAINS 2023 out of approximately 1 million students
- Achieved rank 5372 in JEE Advanced 2023 out of 180,372 students
- State Rank 1 in NSTSE Olympiad in the year 2021
- School Rank 1 in NSTSE Olympiad in 2019
- State Rank 85 in NSTSE Olympiad 2018
- Cleared NMTC (National Mathematics Talent Contest) both in 2019 and 2020.
- Gold Medal (School Rank 1) in IMO organized by SOF in 2019
- Cleared first round of NMO (National Mathematics Olympiad) in 2019.
- Qualified for second round in YTBC in 2021 with Topic 'Maalihood'.
- Participated in ISMUN (Intra School United Nations) in 2017
- Participated in 8<sup>th</sup> Symposium with topic 'Aqua in Abundance'
- Gold Medal (School Rank 1) in NSO organized by SOF in 2018
- Silver Medal (School Rank 2) in NSO organized by SOF in 2019
- Won 1<sup>st</sup> Prize in 7<sup>th</sup> Symposium organized by AICE in 2017.
- Awarded a Trophy for Achieving Brilliant Results in competitive examinations in 2019.
- Qualified for Third and Final Round of Interschool Competition Vasudha in 2021 with Topic 'Arsenic The Evil'.
- Qualified for Second Round of Interschool Competition Vasudha in 2022 with Topic 'Memristors'.

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## COURSEWORK

### Designing Functional Programs

University of Waterloo • 2023

### [Introduction to JavaScript](#)

Coursera (By Meta) • 2024

### Django Application Development with SQL and Databases

Coursera (By IBM) • 2024