Arsh Tripathi

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Personal Profile

A University of Waterloo undergraduate student with a passion for learning new things, looking to apply and enhance my technical skills.

Skills

Programming Python (Tkinter, Random etc.), C, HTML/CSS, JavaScript, Racket, SQL.

Miscellaneous Linux, Shell (Bash), LaTeX(Overleaf), Microsoft Office, Git.

Soft Skills Time Management, Teamwork, Strong Problem-solving, Persistent, Analytical skills .

Education

University of Waterloo *Waterloo, Canada*

Candidate for Bachelor in Computer Science *Sept 2022 - Current*

- International Scholarship of Excellence and President's Scholarship of Distinctions awardee
- Previous term GPA: Faculty: 97% Total: 92%
- **Courses:** Designing Function Programs, Calculus, Elementary Algorithm Design and Data Abstraction, Tools and Technology for Software Development

Delhi Public School Surat *Surat, India*

High School *Apr 2014 - Apr 2022*

- School Topper in Science stream, scholarship awarded for the same

Work Experience

Delhi Public School Surat *Surat, India*

Student Council Member *Apr 2021 - Apr 2022*

- Represented student's opinions in major decisions, ensured consideration of relevant and important opinions
- Relayed information from the school to students and vice-versa
- Ensured proper implementation of school's guidelines and rules and enforced student discipline
- **Soft Skills:** Teamwork, Time Management, Communication.

Projects

Minesweeper Recreated *Waterloo, Canada*

University of Waterloo *Nov 2022 - Present*

- Recreating the famous minesweeper game in python.
- Trying to improve runtime efficiency
- **Technical Skills:** Python (Libraries: Tkinter, Random)

Tube sort solver *Waterloo, Canada*

University of Waterloo *Nov 2022 - Dec 2022*

- Implemented a tube color sort game algorithm utilizing graphs and trees
- Reduced runtime from 540,000 ms to 34ms on a large game comprising of 9 tubes.
- **Technical Skills:** Racket

Cows and Bulls Game *surat, India*

Delhi Public School Surat *Jun 2022 - Nov 2022*

- Created a number guessing game in python completed with gui.
- **Technical Skills:** Python (Libraries: Tkinter, Random)

Achievements

2021	**Honour's Roll**, CSMC, University of Waterloo		*India*
2022	**All India Rank 1266**, KVPY(Kishore Vaigyanik Protsahan Yojna)		*India*
2022	**All India Rank 1331 (out of 905,590)**, JEE Mains(conducted by NTA)		*India*