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# Arnav Singh

## Professional Skills

- **Programming Proficiency** - Through my degree curriculum and personal endeavors, I know how to code in: Python, Java, C++ (For Backend), HTML/CSS, JavaScript (For Frontend) and SQL, Python Pandas (For Databases).
- **Problem-Solving Abilities** - I have developed strong problem-solving skills through coursework in Discrete Mathematics, applying mathematical concepts to analyze and solve complex software issues.
- **Collaborative Team Player** - I possess strong communication skills and I actively contribute ideas to support team goals in group projects.
- **Adaptability and Rapid Learning** - I maintain a growth mindset, showcasing adaptability and a keen ability to swiftly acquire new skills while embracing evolving technologies and methodologies.

## Technical Experience

### PROJECTS

- **Indian Army Fan page** - Being a son of an Indian Army officer, I felt motivated to craft a website with a blend of passion for web development and reverence for the Indian Armed Forces as a gesture of respect to those valiant hearts in olive. It can be accessed via link: <https://arnav-singh-ahlawat.github.io/Indian-Army-Fanpage>
- **Flying Logbook** - Recognizing the common practice among Indian Air Force pilots, including my brother, of manually recording flight details in logbooks, I developed a Python Tkinter application. This application streamlines the process by storing flight data in a MySQL database, enabling centralized management and easy access. Users can conveniently add, edit, remove, and sort flight entries using its intuitive interface.
- **Pacman Game** - I recreated the classic Pacman Game using Java, aiming to deliver an authentic arcade experience. Navigate mazes, outwit intelligent ghost AI, and collect power-ups for high scores.
- **Grocery Store** - This C++ program offers a comprehensive software solution tailored to optimize the management of inventory, sales, and customer transactions within grocery store operations, with the list of products available stored in a .txt file.

(The repositories to these projects can be found on my GitHub)

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## Education

Expected in 01/2027

### Concordia University

Montreal, QC

Bachelor of Engineering (BEng):

Computer Engineering

## About Me

I am a second-year computer engineering student who is driven by a relentless pursuit of innovation and an aspiration to develop groundbreaking technologies that propel advancements within the field of computer science.

## Work Experience

### Concordia Student Union (CSU) - Polling Clerk

Montreal, QC

- I helped oversee a smooth and fair election for CSU's 35,000+ undergrad students in the capacity of a polling clerk.

### Concordia Multi Faith & Spirituality Centre (MFSC) - Volunteer

Montreal, QC

- Volunteered at university community suppers, fostering community engagement, and assisting in event coordination.