

AA

# AMAAN ALI

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## SUMMARY

Motivated Honours Computer Science student with a strong foundation in programming fundamentals and problem-solving. Skilled in Python and C, with hands-on experience applying concepts to academic and personal projects. Seeking an internship in the software and analyst industry.

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## EDUCATION

**Honours Bachelor of Science** : Computer Science

Wilfrid Laurier University - Waterloo, ON

*Expected in 04/2026*

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## RELEVANT COURSES

- Data Structures
- Object-Oriented Programming
- Software Engineering
- Computer Networks
- Algorithm Design/Analysis I
- Artificial Intelligence

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## SKILLS

**Languages:** Java, Python, JavaScript, SQL

**Tools:** Git/GitHub, Power BI

**Databases:** MySQL

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## PROJECTS

### GymFlow

*Personal Project | HTML/CSS/JavaScript, MySQL, Python, Power BI | 2025-Present*

- Built a gym management + analytics system concept focused on real-world workflows.
- Developed the dashboard UI and project structure; designed core data/metrics direction for operational + inventory insights.
- Next: implement database-backed CRUD + authentication, build ETL pipeline + start-schema analytics model, and publish a full case study + live demo.

### Multi-Threaded TCP Client-Server Application

*Computer Network Project | Python | Wilfrid Laurier University | October 2025*

- Designed and implemented a TCP client-server system using Python's socket and threading libraries to support multiple clients concurrently.
- Added file transfer, message handling, and session tracking with proper synchronization, error handling, and clean disconnections.