Gurshaan Mand

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Education

University of Manitoba, Bachelor of Science in Computer Science
GPA: 3.5
Coursework: Object Oriented Programming, Calculus II, Linear Algebra, Discrete Math

Technical Skills

- **Programming Languages:** Python, SQL (beginner), Java, C (foundational), HTML, CSS, JavaScript
- **Databases:** SQLite
- **APIs / Web:** REST APIs (requests, JSON parsing, integration), Web scraping (BeautifulSoup, urllib)
- **Tools / Frameworks:** Git/GitHub (version control)

Projects

Allergen Finder (Python)
Built an allergen detection system using **SQLite** and **REST API integration** to identify allergens in food products and recipes.

Treasure Finding Algorithm (Java)
Implemented iterative **backtracking** to compute possible routes from a starting point to treasure.

Coffee Simulator (Java)
Simulated ordering coffee using **stacks and queues** data structures.

Car Washer Simulator (Java)
Modeled a car washing process using **stacks and queues** for process scheduling.

Lake Route Finder (Java)
Used recursive **backtracking** and array-based storage to explore all possible lake routes.

Experience

AI Voice Data Collection Project, Outlier AI (Microsoft-contracted project)
May 2025 – Aug 2025

- Collaborated on an AI training initiative by generating and uploading structured voice recordings.
- Ensured quality and consistency of speech samples across multiple speakers.
- Contributed diverse audio data to support natural language model training and evaluation.

Coursera Online Coursework, University of Michigan
Aug 2025 – Sept 2025

- Completed *Python for Everybody* specialization: built projects with REST APIs, SQLite databases, and web scraping tools.