

Ayush Patel

Montreal, QC

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Education

Bachelor of Computer Science

2023 - 2027

Concordia University - Montreal, QC

- Expected Graduation: June 2027
- Relevant Courses: Data Structures and Algorithms, Object-Oriented Programming, Web Programming, Machine Learning, Artificial Intelligence, Data Communication and Computer Networks, Databases.

DEC in Social Science with Mathematics

2020 - 2023

John Abbott College - Saint-Anne-de-Bellevue, QC

Technical Skills

Programming Languages: Java, C/C++, Python, C#, SQL, JavaScript, HTML/CSS

Frameworks & Technologies: Spring Boot, Flask, Node.js, Express.js, EJS, JPA/Hibernate

Developer Tools: Git, GitHub, VS Code, IntelliJ IDEA, Postman, Docker

Databases: PostgreSQL, SQLite

Languages: English (Fluent), French (Fluent), German (Basic), Gujarati (Basic)

Projects

[NBA Matchup Analyzer](#) | *Python, Flask, SQLite, REST API*

- Developed a full-stack NBA analytics web app using **Python** and **Flask** to compare teams based on recent performance data from an external REST API.
- Designed a rule-based matchup model that calculates team scores using recent wins, offensive output, defensive performance, point differential, and home-court advantage.
- Implemented **SQLite** for matchup history, including saved analyses, search/filter functionality, deletion, and summary dashboard statistics.

[Dream Car Builder](#) | *JavaScript, Node.js, Express, EJS, SQLite*

- Developed a full-stack sports car build planning web app using **Node.js** and **Express** to create and manage custom vehicle projects.
- Implemented database-backed **CRUD functionality** for car builds and modifications, including part categories, costs, installation status, and build notes.
- Designed a relational **SQLite** database and dashboard system to track total build cost, planned versus installed parts, and overall project progress.

[Library Management REST API](#) | *Java, Spring Boot, PostgreSQL, JPA/Hibernate*

- Developed a RESTful library management backend using **Java** and **Spring Boot** to manage books, authors, library members, and borrowing records.
- Implemented complete **CRUD functionality**, book search and filtering, input validation, exception handling, and borrowing/returning workflows using a layered controller-service-repository architecture.
- Designed a relational **PostgreSQL** database with **JPA/Hibernate** entity relationships and tested API endpoints and error responses using **Postman**.

Work Experience

Grocery Store Clerk / Stock Associate

2019 - 2020

IGA Extra Supermarché - Dollards-Des-Ormeaux, QC

Cashier / Stock Associate

2020 - 2021

Maxi Supermarket, Pointe-Claire, QC

- Built strong customer-service, teamwork, and problem-solving skills in fast-paced retail environments.
- Handled stocking, cash operations, store opening/closing duties, and daily operational tasks