

# Ohm Patel

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🇨🇦 Dual Citizen in Canada/USA

## 👤 PROFILE

Detail-oriented Software Engineering graduate with strong full-stack development experience across academic and personal projects. Proficient in modern frameworks including React, Node.js, Flask, and MongoDB, with hands-on experience in cloud services like AWS and GCP. Passionate about building scalable web applications and solving real-world problems through clean code and user-centered design. Proven ability to collaborate on diverse teams and deliver impactful solutions with efficiency and quality.

## 🎓 EDUCATION

**Bachelor of Engineering Science**, *Western University* [🔗](#) 09/2021 – 06/2025  
*Dean's Honor List for 2023-2024 & 2024-2025 Academic Year* London, Ontario

## 📁 PROJECTS

### GeneScope, Group Project [🔗](#)

- Built a secure, full-stack DNA analysis platform with React, Node.js, MongoDB, and AWS (Amplify, Cognito, S3), increasing analysis throughput by 2x.
- Implemented secure file processing, custom REST APIs, and GPT-2/LLaMA models to generate accessible genetic insights for both technical and non-technical users.

### PigeonPlex, School Group Project [🔗](#)

- Built a full-stack movie ticketing platform using Python, Flask, MySQL, and frontend tools to support user bookings, admin analytics, and secure account management.
- Designed responsive UI with HTML, CSS, and JavaScript, enabling users to explore movie data, purchase tickets, and manage accounts.

### Superhero-Search, Personal School Project [🔗](#)

- Developed a secure search platform using Firebase authentication and external APIs to deliver dynamic superhero results and detailed info.
- Implemented admin controls for managing user roles and access, enhancing overall system security and usability.

### SuperOhioThrowdown, School Group Project [🔗](#)

- Created a Pokémon-style game with Python and Pygame featuring character design, battle mechanics, and level-based gameplay.
- Led user playtesting and gameplay refinement, focusing on player experience and user-centered game design.

### Worlds Easiest Game 1 & 2, Personal Project [🔗](#)

- Developed a challenging maze-style game in C# using Visual Studio, emphasizing logic-based level design and user engagement.
- Conducted playtesting and incorporated feedback to refine gameplay mechanics and boost user experience.

## 📁 EXPERIENCE

**Executive Director**, *Exporior Financial Group (Part Time)* [🔗](#) 02/2022 – present  
Remote, Canada/USA

- Delivered client consultations and created personalized financial solutions
- Hired, trained, and managed new team members across North America

### Hack Western 9 – Hackathon Participant

- Collaborated on a retro arcade suite in C# using Visual Studio, including mini-games like WEG, Pong, and Tron Light Cycles.
- Delivered playable MVPs within 36 hours by applying agile teamwork and iterative prototyping.

## 🧠 SKILLS

Python, Java, Javascript, C++, C#, MySQL, MongoDB, HTML, CSS, React, Flask, Firebase, Express JS, JavaFX, TensorFlow, Scikit Learn, MATLAB, Jupyter, AWS (Amplify, Cognito, S3), GCP, Docker, Git, Nginx, JIRA, Agile/Scrum, Word/Excel, Putty