



Ohm Patel

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 ohmstar123.github.io  Authorized to Work in Canada/USA

EDUCATION

Bachelor of Engineering Science, Western University 

Fourth-year Software Engineer

Dean's Honor List for 2023-2024 Academic Year


09/2021 – present

London, Ontario

PROJECTS

GeneScope, Group Project 

- Developed a full-stack DNA analysis platform using React, Node.js, MongoDB, and AWS (Amplify, Cognito, S3), doubling analysis speed through AI integration and real-time data visualization.
- 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

Senior Manager, Exporior Financial Group (Part Time) 

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

02/2022 – present

Remote, Canada/USA

Hack Western 9 – Hackathon Participant

- Developed a retro arcade game with a team using C# and Visual Studio
- Built multiple mini-games including WEG, Pong, and Tron Light Cycles

SKILLS

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