

Sridhar Patel

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Education

Bachelor of Engineering Science, *Western University* ✎
Fourth-year Software Engineer

Sep 2021 – present | London, Ontario

Professional Experience

Web3 Security Data Analytics Externship, *Extern* ✎

Aug 2024 – Sep 2024

- Conducted in-depth analysis and data labeling of smart contract vulnerabilities, improving categorization and risk assessment skills
- Applied unsupervised machine learning techniques, such as cluster analysis, to profile security risks in Web3 smart contracts
- Performed in-depth competitive analysis on emerging Web3 cybersecurity startups and blockchain technologies, identifying security gaps

Full Stack Developer Intern, *321GoCheck* ✎

May 2023 – Aug 2023

- Implemented multiple Python code solutions to expedite processes, resulting in an 83% reduction in task completion time and ensuring optimal user experiences
- Spearheaded a collaborative initiative to overcome a substantial hurdle resulting in the expedited advancement of the project timeline and enhancement of critical functionalities.
- Produced meticulously documented, clean, and efficient code to showcase multiple front-end solutions as part of proof-of-concept development
- Researched and implemented emerging technologies, resulting in an enhancement of technical capabilities

Projects

PigeonPlex ✎

- Created a movie management system designed to handle various aspects of movie-related data, providing users with a user-friendly interface for exploring and interacting with movie content.
- PigeonPlex utilizes SQL for efficient storage and retrieval of movie data, ensuring seamless management of titles, genres, and user preferences.
- Using Flask and app.route, PigeonPlex efficiently manages different endpoints, providing users with a well-structured and responsive web application for seamless navigation.

Superhero DB ✎

- Designed and implemented a hero management system, enabling users to search for heroes with soft search functionality and create personalized lists for efficient information retrieval and curation.
- Integrated MongoDB to allow users to create and manage private/public lists of superheroes.
- Developed an admin panel enabling user account management, including user enable/disable functionality allowing precise control over user access levels.
- Ensured robust security measures with Firebase and email authentication to safeguard user data and privacy.

SuperOhioThrowdown ✎

- Led the design and development of a super fun, Pokémon-inspired game with multiple levels in Python using Pygame, engaging players in an immersive journey through diverse environments.
- Implemented challenging boss battles, enhancing user experience by creating exciting and strategic encounters, and contributing to positive player feedback and retention.

Extracurriculars

Western Engineering Competition, *Western University Software Competition* ✎

- Developed a dynamic and interactive graph and charting system using C# and Visual Studio and implemented data sorting algorithms to organize information extracted from Excel sheets effectively, optimizing data presentation and analysis