Shlok Patel

Lethbridge, AB 📞 403-635-1631 ✉ shlok.patel2005@outlook.com in linkedin.com/in/patel-shlok My Portfolio

Summary

"Motivated Computer Science enthusiast with expertise in Python, SQL, web development, and AI-driven solutions. Skilled in data analytics, automation, and software deployment, with hands-on experience in web scraping and machine learning. A proactive problem-solver and team player eager to apply technical skills in real-world projects."

Education

Bachelor of Science in Computer Science   **Sep 2024 – Present**
University of Lethbridge

Diploma In Computer Engineering   **Jul 2021 – Jun 2024**
LJ Polytechnic, LJ University

Technical Skills

Soft Skills: Decision-making, Problem solving, communication skills, Critical Thinking,Time Management.
Languages:Python, SQL, C, PHP, C++, Java, HTML, Css.
Software Proficiency: Word, Excel, PowerPoint, Wordpress.
Framework: Flask, Bootstrap
Version Control: Github, Gitlab, Git
Development Tools: VSCode

Experience

Student Assistant   **Jan 2025 – Present**
University of Lethbridge Library   *Lethbridge, AB*

- Assisting faculty and staff in technical documentation, data organization, and IT-related queries to streamline workflow.
- Managing data entry, documentation, and research-related tasks while enhancing organizational efficiency.

Python Developer   **June 2023 – August 2023**
TechAxion   *Ahmedabad, India*

- Developed and optimized an object detection model using YOLOv5, fine-tuning hyperparameters to improve accuracy.
- Built and deployed a web application using Flask API and JavaScript for real-time object detection of food grains.
- Performed web scraping, data cleaning, and annotation to enhance dataset quality for machine learning models.

Projects

Turn-Based Card Engine   **Jan 2025 – Feb 2025**

- Developed a console-based card game with turn-based mechanics using OOP principles, ensuring structured gameplay.
- Implemented game logic for player turns, card drawing, hand management, and battle mechanics for smooth execution.
- Optimized rules and memory usage to enhance performance, reducing execution time and improving efficiency.

Record Manager   **Dec 2024 – Jan 2025**

- Developed a work record manager system to automate employment history tracking using modern web technologies.
- Designed a system which keeps track employers, work hours (paid/unpaid), weekly logs, and paystubs, payment details.
- Integrated paycheck logging features to ensure accurate financial tracking and facilitate better employment data analysis.

Agricart   **Jan 2024 – March 2024**

- Developed an e-commerce platform for farmers with secure payment integration and an intuitive shopping experience.
- Designed a responsive and user-friendly interface, allowing farmers to browse, filter, and purchase products.
- Implemented efficient product categorization and optimized database management for faster search and transactions.

Cloud AI   **June 2023 – July 2023**

- Developed an AI chatbot using the ChatGPT API, integrating secure authentication and optimized response handling.
- Implemented advanced prompt handling logic to improve chatbot accuracy and ensure a natural conversation flow.
- Optimized AI-generated responses by refining model interactions, enhancing speed, and boosting user engagement.

Certification

Google: Crash Course on Python
University of Michigan: Programming for Everybody (Getting Started with Python)
University of Michigan: Python Data Structures