

SHLOK PATEL

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Summary

Motivated Computer Science enthusiast with expertise in Python, MySQL, 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

Programming and Web Technologies: Python, Java, C++, C, PHP, SQL, HTML, CSS, MySQL, Web Scraping.

Frameworks and Tools: Flask, Bootstrap, VSCode, WordPress, Github, Gitlab, Git

Productivity and Office Applications: Microsoft Word, Excel, PowerPoint, Outlook

Software Development and Design Principles: SDLC, UML

Core Competencies: Communication, Decision-making, Problem solving, Critical Thinking, Time Management.

Experience

Python Developer

June 2023 – August 2023

TechAxion

Ahmedabad, India

- Developed and deployed an object detection system using YOLOv5, Flask, and JavaScript as a business-ready solution.
- Translated project requirements into functional code, enhancing model accuracy through hyperparameter tuning.
- Built scalable data pipelines using web scraping, data cleaning and annotation with detailed component documentation.
- Performed unit testing and output validation, contributing to design reviews and ensuring high-performance execution.

Projects

Turn-Based Card Engine

Jan 2025 – April 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.
- Skills: C++.

Record Manager

Sep 2024 – Dec 2024

- 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 for accurate financial tracking and facilitate better employment data analysis.
- Skills: HTML, CSS, JavaScript, Python, Flask, SQL.

Agricart

Jan 2024 – April 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 as per UML.
- Implemented efficient product categorization and optimized database management for faster search and transactions.
- Skills: HTML, CSS, JavaScript, PHP, SQL.

Cloud AI

June 2023 – Sep 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.
- Skills: HTML, CSS, Python, PHP, SQL.

Certification

Google: Crash Course on Python

University of Michigan: Programming for Everybody (Getting Started with Python)

University of Michigan: Python Data Structures