

# Shiv Gandhi

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As a third-year computer science student at the University of Manitoba, I am deeply passionate about leveraging technology to solve complex problems and drive innovation. With a solid foundation in computer science principles and ongoing coursework, I am equipped to pursue a career track focused on software engineering and development. I am eager to contribute my enthusiasm for learning and my strong problem-solving abilities to internship positions in software development and database management.

## Education

Bachelor's in computer science, 2026(expected), GPA 3.5/4.5  
University Of Manitoba, Winnipeg

### Skills:

- Data Structures and Algorithms
- Object-Oriented Programming
- Testing
- Database Management
- AWS (certification in progress)
- DevOps (HTML, CSS, JavaScript)
- Proficient in Operating Systems (Windows, MacOS)

### Achievements:

- Dean's Honors List (Winter 2022, Winter 2023)
- DevOps Hackathon 2024 participant
- Captain of UM League Cricket Team (Giant Slayers)
- Science Student Association member

## Projects

1. 2D Chess Game
  - Developed a Java-based 2D chess game using frameworks and libraries for graphics.
  - Implemented features such as player vs. player gameplay, AI opponents, and customizable game settings.
  - Demonstrated proficiency in object-oriented design and algorithmic thinking.

## 2. Hospital Emergency Room Simulation

- Utilized data structures and algorithms (priority queue, heap, etc) to design and implement a simulation of a hospital emergency room.
- Simulated patient arrivals, triage processes, and resource allocation to optimize emergency room efficiency.

## 3. AWS Web Deployment and Hosting

- Deployed and hosted web applications on Amazon Web Services (AWS) cloud infrastructure.
- Configured AWS services such as EC2, S3, and Route 53 to ensure reliable and scalable web hosting.
- Optimized deployment processes for faster iteration and improved development workflow.

## 4. Portfolio Website

- Designed and developed a responsive portfolio website to showcase projects, skills, and experiences.
- Implemented modern web technologies including HTML5, CSS3, and JavaScript to create an engaging user experience.

# Relevant IT Experience

## **Symbiosis Technologies, India**

*Assistant Software Engineer (contract-based)*

August 2021 – December 2021

- Collaborated with senior engineers, contributing to successful software solutions in a dynamic team environment.
- Gained hands-on experience in Java and utilized IntelliJ IDEA for efficient code development.
- Proficient in Agile methodologies, ensuring project alignment and timely delivery through sprint planning and daily stand-ups.
- Acquired practical knowledge of software design principles, facilitating creation of scalable, maintainable code.
- Strengthened problem-solving skills through analysis and resolution of coding challenges.
- Enhanced software quality by writing unit tests, conducting code reviews, and collaborating on bug fixes.
- Demonstrated adaptability by quickly learning new technologies and meeting project requirements effectively.

## **Additional Work Experience**

**Part Source**, Winnipeg

*Parts Advisor*

August 2023 - Present

- Provide exceptional customer service and product knowledge to assist customers in selecting the appropriate parts.
- Manage inventory and maintain accurate stock levels to meet customer demands.
- Process sales transactions efficiently while adhering to payment policies.
- Demonstrate strong communication and interpersonal skills to effectively interact with customers and team members.

**Kognitive Marketing**, Winnipeg

*Field Marketing Sales Representative*

March 2022 – August 2023

- Skilled at working independently and collaboratively in a team environment.
- Pitched customers about the benefits of the product and explained how they can relate to it.
- Maintained knowledge of current promotions, exchange guidelines, and payment policies.
- Assisted teammates with sales-processing tasks to meet daily sales goals.
- Self-motivated, with a strong sense of personal responsibility.
- Excellent communication skills, both verbal and written.