

# Hemal Patel

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## EDUCATION

**Rutgers University, School of Arts and Sciences, New Brunswick, NJ**

*Expected Graduation: May 2024*

B.S. Computer Science | GPA: 4.0 | Dean's List Honoree

**Mercer County Community College, West Windsor, NJ**

*September 2020 – May 2022*

Associates Degree in Science, Concentration: Computer Science | GPA: 3.89

## RELEVANT COURSEWORK

- Introduction to Computer Science, Data Structures, Computer Architecture, Principles of Information and Data Management, Software Methodology, Introduction to Data Science, and Design and Analysis of Computer Algorithms

## PROJECTS

### Self-Portfolio Website

*December 2022 - Current*

- Designed a website to showcase projects, skills, and interests using HTML, CSS, and JavaScript

### Auction Site Simulator

*November 2022 – December 2022*

- Assembled an offline e-commerce site for buying and selling items, specifically within the desktop, monitor, and keyboard categories
- Advanced knowledge in HTML, CSS, JSP, and MySQL to create a more functional and interactive site

### Electronic Audio Synthesizer

*December 2021*

- Created a Java application with a GUI that enables users to play notes on a digital interface using a mouse
- Implemented an additional feature that enables users to play harmonics and adjust the master volume to fine-tune music output

### Electronic ATM Simulator

*June 2020*

- Constructed a C# application that simulates an ATM
- Implemented banking functionalities, including depositing, withdrawing, checking balances, and reviewing account history, providing users with a comprehensive banking experience

## LEADERSHIP

### BAPS Swaminarayan Temple

*Robbinsville, NJ*

#### Youth Activities Organizer

*September 2016 - Current*

- Guided a team of high school students to conduct weekly religious seminars for 20-30 youths, focusing on instilling traditional Hindu and BAPS values as a moral foundation.
- Facilitated significant events for over 400 youths, such as Kids' Diwali Celebration and Youth Sporting Event Day.
- Coordinated with 4-5 other departments to plan and execute community activities encouraging youth involvement.

#### Safety Field Team Lead

*June 2016 – June 2020*

- Collaborated with and led a team of 10 volunteers in conducting safety inspections of a construction site, identifying and mitigating potential hazards to ensure a safe working environment.
- Trained groups of volunteers of different backgrounds biweekly on proper equipment usage and worksite hazards, reducing minor injuries by 50%.
- Networked with OSHA officials to ensure that safety regulations on site were adequately met.

## SKILLS & INTERESTS

- **Programming Languages:** Java, C++, C#, HTML, CSS, JavaScript, MySQL, JSP, Python
- **Technical:** Microsoft Word, Microsoft PowerPoint, Microsoft Excel, Git/GitHub
- **Language:** Fluent English, Intermediate Gujarati
- **Interests:** Fitness, Nature, Music, Basketball, Photography, Reading