Hemal Patel

(732) 672-3589 | hemal1907@gmail.com | linkedin.com/in/hemalsp

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, Data Management for Data Science, Numerical Analysis Computing

PROJECTS

Stock Data Viewer *August 2023*
- Developed a **Python** application using Tkinter, retrieving historical stock data using Alpha Vantage API, and visualizing trends through Matplotlib and Seaborn graphs.
- Implemented a news aggregation feature within the application, utilizing Stock Data API to fetch and display current stock-related news in a user-friendly format.

Self-Portfolio Website *December 2022*
- 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 additional features that allow the play of harmonics and adjust the master volume to fine-tune music output

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 *May 2022 – August 2023*
- 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, Python, C++, HTML, CSS, JavaScript, SQL
- **Frameworks/Tools:** MySQL, JSP, Bootstrap, Git/Github, PowerPoint, Excel
- **Language:** Fluent English, Intermediate Gujarati
- **Interests:** Fitness, Nature, Music, Basketball, Photography, Reading