

# Saunak Patel

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## PROFESSIONAL SUMMARY

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- Recent Computer Science graduate with strong hands-on experience in JavaScript, GitHub, and modern web/mobile frameworks.
- Skilled in reading, debugging, and updating code in queue-driven environments, with a foundation in software engineering, data analysis, and version control best practices.
- Recognized for quickly learning new technologies, delivering reliable solutions, and collaborating effectively across research, academic, and development teams.
- Seeking to contribute technical skills and detail-oriented problem-solving to support cloud migration and security-focused initiatives.

## PROFESSIONAL EXPERIENCE

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**Dormshops** - Software Engineer Intern (Remote) MAY 2024 - AUGUST 2024

- Developed a Swift + Back4App mobile app, reducing load time by 20%.
- Provided feedback and suggestions for UX design enhancements, contributing to a more intuitive user interface.
- Contributed 10+ feature ideas in planning meetings, with 3 implemented in production.

**Delaware State University** - Research Assistant (Dover, DE) JUNE 2024 - MAY 2025

- Created a Battleship-like quantum computing game using Godot + GDScript, enhancing gameplay algorithms.
- Optimized game performance, improving user interaction.

**Howard University (RITA UARC)** - Research Assistant (Dover, DE) JUNE 2024 - OCTOBER 2024

- Applied machine learning in Python to predict outcomes, enhancing decision-making accuracy.
- Analyzed neural activity datasets to identify patterns in brain function.

**Code Differently** - Technical Instructor Assistant (Wilmington, DE) MAY 2023 - AUGUST 2023

- Built web applications in React + Django, improving UI responsiveness.
- Instructed 10+ interns in developing using HTML/CSS and JavaScript, boosting project success rates.

**Delaware State University** - Computer Science Tutor (Dover, DE) SEPTEMBER 2022 - MAY 2024

- Tutored students in Python & Java, reducing code errors and increasing comprehension.
- Guided debugging sessions that improved assignment completion rates.

## PROJECT EXPERIENCE

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**Culture Credit (DECEMBER 2024 - PRESENT)** - React Native, Flask, MySQL - Led frontend development in React Native + Expo for a student rewards app; implemented responsive UI and integrated backend API, improving user engagement by ~25%.

**Snake Game (MAY 2022 - AUGUST 2022)** - Godot - Created a challenging 2D platformer inspired by the Souls series, enhancing scripting and player engagement.

**Bit Souls (OCTOBER 2024 - DECEMBER 2024)** - Java Swing - Built a classic arcade game with smooth controls and a responsive design.

## LEADERSHIP & INVOLVEMENT

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**Mr. Computer Science, DSU Computer Science Student Association (CSSA)** – I represented the CS department on the CSSA board as Mr. CS, attending board meetings, hosting events, and providing support to members. I also co-organized DSU's annual hackathon, coordinating a 24-hour coding contest with participant presentations, as well as workshops, scavenger hunts, raffles, and games.

## SKILLS & CERTIFICATIONS

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**Programming Languages:** Python, Java, C++, C, JavaScript, TypeScript, HTML & CSS, Kotlin, SQL, Swift, Objective-C, JSON

**Frameworks & Libraries:** React, React Native, Expo, Bootstrap, Node.js, Express.js, Django, Flask, Spring, MUI, Raylib, JUnit, Pytest

**Tools & Platforms:** Git/GitHub, TensorFlow, Pandas, Keras, PyTorch, Scikit-learn, Numpy, VS Code, JetBrains, Xcode, Android Studio, Maven, Figma, SCRUM

**Others:** REST APIs, Agile, Unit Testing, Data Structures & Algorithms, Object-Oriented Programming, SOLID Principles

**Certifications:** CodePath ([TIP102](#)), [Google UX Design Specialization](#)

## EDUCATION

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**Delaware State University**

Graduated: MAY 2025

**Bachelor of Science in Computer Science**

**GPA: 3.80**

**Awards:** 4x Dean's List, 4x President's List, Computer Science Student Association (CSSA) Member, Mr. Computer Science for CSSA Club, Summa Cum Laude

**Key Courses:** Data Structures & Algorithms, Systems Architecture, Operating Systems, Computer Networking, Mobile Computing, Object-Oriented Programming in C++, Intro to Data Science, Artificial Intelligence