

# Shiven H Patel

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## Education

**Temple University** - College of Science and Technology

Philadelphia, PA

**Degree:** Bachelor of Science in *Computer Science* with Minor in *Mathematics*

**CGPA:** 3.38 / 4.00

*Expected Graduation: May 2026*

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## Relevant Coursework

Operating Systems and Systems Programming; Data Structures and Algorithms; Computer Systems and Low-Level Programming  
Mathematical Concepts in Computing I & II; Computational Probability and Statistics; User Experience Design; Calculus I, II & III.

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## Skills

- **Programming Languages:** C, Swift, SwiftUI, Java, Python, JavaScript, CSS, HTML
- **Web Development:** Frontend and Backend Development, Cross-browser Compatibility, Responsive Design
- **Software Development:** Algorithms, Data Structures, OOP, Automation, File Handling
- **Frameworks & Libraries:** Node.js, React, Express.js
- **Tools & Technologies:** Docker, RESTful APIs, SQL, Git, JUnit, JavaMail API, Apache POI, Xcode
- **Version Control & Collaboration:** Agile Methodologies, Scrum, GitHub, GitLab

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## Professional Experiences

### Mainline Surgical Center

Bala Cynwyd, PA

Web Development Intern

May, 2024 – Sep, 2024

- Designed and implemented responsive websites using **HTML5, CSS3, and JavaScript**, increasing user engagement by **25%**.
- Automated email workflows using **Java**, reducing **manual processing time by 50%**.
- Contributed to an **EHR system** for a surgical clinic using **Java and MySQL**, improving **data retrieval efficiency by 40%**.
- Developed **intuitive user interfaces** with **JavaFX**, enhancing **usability by 20%**.
- Utilized **Agile methodologies** to improve **team productivity by 15%**.

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## Projects

### Cyber Security Simulation Platform

October, 2024–Jan, 2025

- Developed a **cybersecurity simulation platform** using **Python and Flask** to help users practice real-world threat scenarios.
- Implemented multiple **threat models**, including **SQL Injection, XSS, and brute force attacks**, allowing users to explore and test defenses.
- Integrated a **scoring system** to evaluate user responses to simulated threats, fostering a **hands-on learning experience**.
- Deployed the platform on a **secure AWS server**, ensuring **scalability and user data protection**.
- Designed an **intuitive dashboard** with **real-time threat analytics**, providing users with **actionable insights** on their performance.

### Real-Time Data Visualization Dashboard

Sep, 2023– April, 2024

- Developed a full-stack web application for real-time data visualization using **React, D3.js, Node.js, and MongoDB**.
- Optimized **data processing and rendering** for large datasets, ensuring **smooth performance and efficient real-time updates**.
- Implemented **WebSocket** for **live updates**, enhancing real-time interactivity.
- Deployed the application on **Heroku and AWS**, ensuring **scalability and high availability**.
- Built **interactive user interfaces**, improving **user engagement and data exploration**.

### VerboVista - iOS Development

August, 2022– Jan, 2023

- Developed an **iOS language learning app** using **Swift and Xcode**, integrating **ARKit** for **augmented reality experiences**.
- Integrated **real-time translation and speech recognition** using **Google Cloud APIs**, enabling **seamless multilingual interactions**.
- Utilized **Core Data** to manage **local user progress and vocabulary storage** efficiently.
- Designed a **user-friendly interface** with **SwiftUI**, improving **accessibility and user experience**.
- Deployed and tested the application on **iOS devices**, ensuring **smooth performance and responsiveness**.

