

Vivek Patel

vpatel20001@gmail.com | 765-960-8720 | www.linkedin.com/in/patevig

Education

Indiana University, Bloomington, IN

May 2026

Luddy School of Informatics, Computing and Engineering

Bachelor of Science in Computer Science

Specialization: Software Engineering Minors: Data Science, Informatics, and Math

Technical Skills

- **Languages/Frameworks:** Java, HTML, CSS, JavaScript, Node.js, C, C++, .NET, Racket, PHP, React, SQL, Python
- **Software Skills:** Git, Unix/Linux
- **Miscellaneous Skills:** M.S PowerPoint, M.S Word, M.S Excel, M.S Teams, Adobe Photoshop, Computer Building, JIRA, Atlassian, Outlook, Tableau

Experiences

Indiana University Teaching Assistant, Bloomington, IN

August 2024 – Present

- Assisted in teaching and guiding students in understanding fundamental concepts of low-level computing and programming languages.
- Utilized debugging tools and techniques to help students troubleshoot and optimize code for a class of 32 students.

Richmond Community Schools Substitute Teacher/Tutor, Richmond, IN

May 2024 – Present

- Engaged with a class of over 30 students to work and adapt towards their needs.
- Led group activities for groups of over 20 students, encouraging collaboration in the group.

Projects

vivekpatel21.github.io

File Organizer

July 2024

- Developed the project in Python to help an organization of over 30 members organize folders by file type.
- Allows users to manage over 30 different file types within their computer and allow it to run in the background.

Minesweeper

June 2024

- Manufactured Minesweeper within C++ and QT GUI, to create a game for the community to play without internet access.
- Managed external libraries using CMake, increasing runtime efficiency by 45% and compile time by 80%.

Flood Game

August 2023

- Developed in Java and played/tested by a group of over 100 members within the community.
- Developed systems within the game to generate the most efficient path to finish the game.

Leadership

Indiana University- Ballroom Dance Club Volunteering Coordinator

December 2023 – Present

- Strategized and directed volunteering initiatives, leading a group of over 10 members to foster a positive working environment.
- Contributed to developing the club to an A-rank status, within the university through volunteering efforts.

Indiana University – All Campus Orchestra Viola Section Leader

January 2023 – May 2023

- Helped organize and coordinate 2 concerts with the conductor to promote orderly and efficient activity within the band.
- Mentored a group of 6 violists to promote inclusion and welfare in the section.