

# Vivek Patel

patevig@iu.edu | 765-960-8720 | vivekpatel21.github.io

## Education

---

Indiana University, Bloomington, IN

May 2026

Bachelor of Science in Computer Science

Specialization: Software Engineering

Minors: Data Science and Informatics

Direct Admit into Luddy School of Informatics, Computing and Engineering

## Projects

---

Sudoku Solver

December 2023

- Designed and programmed in Java
- Can solve a sudoku board of any length using backtracking and trees to maintain data

Discord Dance Bot

Feb 2024 – May 2024

- Designed and programmed using Discord API, JavaScript, SQL, and Node.js.
- Users will pick a ballroom dance of their choice through Discord commands and choose if they want a random song for that dance or to pick from a list of songs based on BPM.
- All lists generated and displayed are through AVL trees and in order traversal.

## Leadership

---

Indiana University – All Campus Orchestra Viola Section Leader

- Helped plan and coordinate 3 concerts with conductor.
- Lead and managed a group of 6 Viola's for them to be successful in their performing endeavors.

## Technical Skills

---

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