Vivek Patel

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Education

Indiana University, Bloomington, IN   May 2026

Bachelor of Science in Computer Science

Programming Coursework: Algorithms & Data Structures, Discrete Math

Projects

Sudoku Solver

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

Discord Dance Bot

- 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 are through AVL trees and in order traversal.

Leadership

Indiana University – All Campus Orchestra Viola Section Leader

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

Technical Skills

Programming Skills

- Proficient in Java, HTML/CSS, Unix, Python,
- Familiar with C/C++, Racket, Git/GitHub, Unity, SQL, PHP, .NET, Node.js