

# VIKASH MISHRA

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## TECHNICAL SKILLS

**Languages/Courses:** C++, C, Python, SQL, JAVA

**Technologies/Frameworks:** HTML, CSS, MongoDB, Javascript, Node.js, Bootstrap, React.js, PHP

**Developer Tools:** VS Code, Git, GitHub

## PROJECTS

### **Sudoku Solver Visualizer** [↗](#) | [Java](#), [Data-Structure](#)

**Jun 2024-Jul 2024**

- Designed a Java-based application that visually illustrates the process of solving Sudoku puzzles through backtracking algorithms.
- Developed an interactive tool for visualizing the Sudoku solving process, providing a step-by-step representation of the backtracking approach.
- Implemented an efficient backtracking algorithm in Java to dynamically solve and visualize complex Sudoku puzzle.

### **Socket Chess** [↗](#) | [Node.js](#), [Socket.io](#), [Chess.js](#)

**Feb 2024-Apr 2024**

- Developed a real-time multiplayer chess game, allowing two players to compete while others can spectate.
- Integrated **Chess.js** for move validation to ensure fair play, and utilized **Socket.io** for real-time board updates.
- Utilized SQL to handle player information, enabling secure and structured management of player details and game data.

### **Weather Forecast Application** [↗](#) | [HTML](#), [CSS](#), [JavaScript](#)

**Nov 2023-Dec 2023**

- Developed a web application that retrieves and presents real-time weather information using the **OpenWeather API**.
- Implemented server-side logic with Node.js to fetch and display accurate weather data dynamically.
- Enhanced full-stack development skills by integrating real-time data fetching with a user-friendly interface.

## COURSEWORK

- |                     |                     |                        |
|---------------------|---------------------|------------------------|
| • DSA               | • OOPs Concepts     | • Software Engineering |
| • Operating Systems | • Computer Networks | • DBMS                 |

## CERTIFICATES

- Algorithms on Strings - Coursera
- Programming Foundations: Data Structures - LinkedIn

**Mar 2024-Apr 2024**

**Jan 2023-Feb 2023**

## ACHIEVEMENTS

- \* Solved **500+** problems and maintained a **200-day streak** on **LeetCode**. [↗](#)
- \* Solved **200+** problems across **GeeksforGeeks** and **InterviewBit**, with a **60-day streak** on GFG. [↗](#)
- \* Achieved **5-star** rating on **HackerRank**.
- \* Maintained a **8.04 CGPA** till now.

## EXTRACURRICULAR

- \* Participated in Web Hackathons, enhancing problem-solving and coding skills.
- \* Active member of Google Developer Student Club and Literary Society at LPU.

## EDUCATION

### **Lovely Professional University**

*B.Tech - Computer Science and Engineering - **CGPA - 8.04***

**Aug 2022 – Present**

*PUNJAB, INDIA*