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# **Summer Training**

**GeeksforGeeks** June 2024 - July 2024

### DSA Self-Paced Course

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* **About**: It is designed to help master the essential skills needed for programming and DSA coding interviews. well start with the basics of each data structure, explaining how they work and their real-world applications.
* **Tech stacks used**: C++, DSA
* **Project Overview**: I have developed a Sudoku Solver program using the backtracking algorithm under the guidance of my training faculty at GeeksforGeeks. The program solves Sudoku puzzles by filling a 9x9 grid with numbers (1-9) such that each row, column, and 3x3 subgrid contains all digits from 1 to 9 without repetition. The backtracking technique efficiently finds valid number placements to solve the puzzle.

My Contributions:

* Implemented the backtracking logic to solve the Sudoku puzzle.
* Designed the user interface using HTML and CSS for better user experience.
* Handled the grid input and display using JavaScript.

**Tech Stack:** HTML, CSS, JavaScript

**Github Repository link:**<https://github.com/Krishna31m/SudokuSolver>

# **Projects**

#### Hotel Booking Website November 2023 – March 2024

* Developed a fully functional hotel booking website that provides a seamless user experience for booking rooms and managing reservations. My contributions include:
* Developed User Authentication: Created a secure login and registration system.
* Implemented Room Availability & Booking: Designed the logic for checking room availability and processing bookings.
* Integrated Payment Gateway: Added secure online payment methods.
* Built Admin Dashboard: Developed the admin panel to manage bookings, rooms, and user inquiries.
* Designed Responsive Interface: Ensured a user-friendly experience across all devices.

**Tech:** HTML, CSS, JavaScript  
**GitHub Repository:** <https://github.com/Krishna31m/WEB-Hotel>

#### University Study website September 2023 – February 2024

* Contributed to the development of an educational website designed to assist university students with academic resources and study materials. My contributions include:
* Content Management: Created and organized content pages for study guides, lecture notes, and previous exams question paper.
* Enhanced Navigation: Developed a search and filter feature for easy access to subjects and topics.
* Improved User Experience: Ensured that content was structured logically for better accessibility.

**Tech:** HTML, CSS, JavaScript (via WordPress)

**Web link:** universitystudy.in

# **Certificates**

## Programming Fundamentals In Kotlin November 21, 2024

## Introduction To Android Mobile Application Development November 15, 2024

* Object-Oriented C++: Inheritance And Encapsulation April 9, 2024
* Introduction to Generative AI Jan 15, 2024
* Become A Full-Stack Web Developer February 23, 2023

# **Technical Skill**

**Languages**: C++, Java, C, Basic Python

**Frameworks/Tools**: HTML and CSS, Bootstrap, NodeJS, MySQL, Git

**Skills**: Data Structure and algorithms, Problem-Solving, Team Player, Project Management, Adaptability

# **Educations**

**Lovely Professional University** Phagwara, India

### Bachelor of Technology - Computer Science and Engineering; **CGPA: 5.31** Since August 2022

**P. C High School** Samastipur, Bihar

### Intermediate; **Percentage: 67.8%** April 2019 - March 2021

**P. C High School** Samastipur, Bihar

### Matriculation; **Percentage: 62.6%** April 2018 - March 2019