

# SURAJ PRATAP SINGH

Mathura, Uttar Pradesh 281001

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## PROJECTS

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### Bank Management System | C++

- Developed an interactive Bank Management System in C++, enabling users to create accounts, deposit, withdraw money, and check balances via a menu-driven interface.
- Integrated file handling for data persistence and implemented basic security checks for transactions.
- Used to understand object-oriented programming.
- GitHub Repository Link: [Bank Management System](#)

### Sudoku Solver | C++ (Backtracking)

- Implemented a backtracking-based Sudoku solver that efficiently finds valid solutions for a given 9x9 Sudoku board using recursion.
- Optimized the algorithm by ensuring minimal backtracking and checking constraints dynamically for faster execution.
- Helped strengthen logic-building and algorithmic problem-solving skills.
- GitHub Repository Link: [Sudoku Solver](#)

## ACHIEVEMENTS

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- Participated in a Workshop on Employability Skills.
- Runner-up at a Hackathon held on campus.
- Bronze Medalist at Tryst Event, IIT Delhi.
- Successfully completed a 50-day coding challenge in Leetcode.

## POSITION OF RESPONSIBILITY

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- Member of Owasis group of DSO at Division Of Student Welfare.
- Induction mentor for Induction program 2024 for freshers.
- Organized and led weekly coding sessions for juniors as part of the university's coding club.

## CERTIFICATES

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- Data Structures and Algorithms - Self Paced (GFG) .
- Completed a JavaScript course covering fundamentals
- Static Routing Configuration Using Packet Tracer.
- The Bits and Bytes of Computer Networking.

## SKILLS AND INTERESTS

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- **Languages** C++, C, HTML, CSS, JavaScript.
- **Skills:** Data Structures and Algorithms, Problem-Solving, Computer Networks.
- Interested in learning new technologies and frameworks.

## EDUCATION

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**Lovely Professional University, Jalandhar**  
Bachelor of Technology in Computer Science (CGPA: 7.98/10.0)

**2022 – 2026**  
*Jalandhar, Punjab*

**Amarnath Vidya Ashram School,**  
All India Senior School Certificate Examination (**Percentage:** 84.80%)

**2020**  
*Mathura, Uttar Pradesh*

**Amarnath Vidya Ashram School,**  
All India Secondary School Examination (**Percentage:** 85.20%)

**2022**  
*Mathura, Uttar Pradesh*

