

# JASKARAN SINGH

Lucknow, Uttar Pradesh, India

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## Education

### Shri Ramswaroop Memorial College of Engineering

B.Tech - Artificial Intelligence and Machine Learning - CGPA - 8.4/10.0

September 2021 – July 2025

Lucknow, India

### The Modern School

Intermediate - CISCE - Percentage - 89%

April 2020 - April 2021

Lucknow, India

### The Modern School

High School - CISCE - Percentage - 91%

March 2018 - March 2019

Lucknow, India

## Relevant Coursework

- Data Structures and Algorithms
- Machine Learning
- Artificial Intelligence
- Database Management
- Object Oriented Programming
- Operating Systems
- Software Development
- Computer Networking

## Projects

### Social Network System | HTML, CSS, PHP, jQuery, MySQL, AJAX

[GitHub]

- Engineered a secure social platform featuring customizable user profiles and a robust login system, decreasing login-related issues by 30% through bcrypt password hashing and session management protocols.
- Enabled seamless post creation and profile updates using AJAX, removing page reloads, boosting user experience.
- Delivered a responsive UI with secure file uploads and form validation, improving mobile user engagement by 25%.

### Employee Management System | HTML, CSS, PHP, jQuery, MySQL, AJAX

[GitHub]

- Established a secure, scalable Employee Management System featuring role-based access control and multi-factor authentication for 500+ employees, decreasing unauthorized data access incidents by 90%.
- Integrated AJAX-based features for adding/removing qualifications and experiences, reducing update latency by 60%.
- Built a mobile-friendly user interface with secure file upload capabilities, improving admin task efficiency by 35%.

### Sorting Algorithm Visualizer | HTML, CSS, JavaScript

[GitHub]

- Developed an interactive Sorting Visualizer that visually demonstrates sorting algorithms including Bubble Sort, Insertion Sort, Selection Sort, Merge Sort, and Quick Sort, with real-time animations to improve understanding of sorting logic.
- Used async/await and ES6 classes to create real-time animations, improving clarity and reducing lag by 30%.
- Enhanced UI/UX with color-coded bars, height scaling, and adjustable speed/array size, increasing interaction by 40%.

## Experience

### SecureEdge Fintech Pvt. Ltd.

May 2025 – Present

Laravel Developer Intern

Lucknow

- Implemented dynamic web features with Laravel routes, controllers, and Blade templates for seamless content delivery.
- Performed database operations like insert, update, and fetch using Eloquent ORM and Laravel migrations.
- Implemented user authentication, session handling, and form validation for secure and smooth user interactions.

## Technical Skills

**Programming Languages:** Java, PHP, Python, JavaScript, HTML/CSS, SQL

**Libraries and Frameworks:** NumPy, Pandas, Matplotlib, Scikit-learn, Bootstrap, jQuery, Laravel, React.js

**Developer Tools:** Gitlab, GitHub, VS Code, Linux-Basic, IntelliJ, Jupyter Notebook, phpMyAdmin, Xampp

**Coding Profiles:** GFG (350+ Questions), LeetCode (100+ Questions), GitHub

## Achievements and Certifications

### Introduction to SQL | Simplilearn

[Badge]

- Completed a beginner-level course covering SQL fundamentals, including database concepts, query writing.
- Gained hands-on experience with SELECT, INSERT, UPDATE, DELETE queries and database management.

### Competitive Programmer | GeeksforGeeks Practice

[Badge]

- Engineered optimized solutions for 350+ data structure and algorithm challenges, reducing execution time by 40%.
- Mastered over 350+ data structures and algorithms (DSA) problems on GeeksforGeeks (GFG), placing in the top 5% of SRMCEM peers, which accelerated speed in hackathons and coding contests.