

Sneha Kandpal

☎ (+91)9125755746 ✉ snehakandpal2004@gmail.com 🌐 <https://leetcode.com/snehakandpal>
🔗 <https://github.com/snehakandpal18>

Summary

Computer Science student with a strong foundation in Java, React, PHP, and data structures and algorithms. Skilled in full-stack web development with hands-on experience building responsive and scalable applications. Currently enhancing knowledge in machine learning to expand technical capabilities.

EDUCATION

Graphic Era Hill University, Dehradun

Bachelor of Technology in Computer Science and Engineering

Expected Graduation: 2026

CGPA: 7.7

Kendriya Vidyalaya

Secondary School

Year: 2022

12th Grade: 89.4%

Kendriya Vidyalaya

High School

Year: 2020

10th Grade: 93.4%

TECHNICAL SKILLS

Programming Languages: Java, C, C++

Coding Platforms: LeetCode, Geek for Geeks

Tools and Technologies: HTML, CSS, Tailwind CSS, JavaScript, React.js, Redux-Toolkit, MySQL, PHP, Python, Scikit-learn, Pandas, Matplotlib

Coursework: Data Structures and Algorithms, Object-oriented Programming, Database Management System, Operating System, Computer System Architecture

PROJECTS

Food Delivery Website (React, Redux Toolkit, Tailwind CSS)

- **Real-Time Data and Cart:** Integrated Swiggy API for live restaurant data, menu items, prices, and dynamic cart management.
- **Custom Hook and Infinite Scrolling:** Created a custom hook to check user online status and enabled infinite scrolling to continuously load more restaurant data as the user scrolls, similar to YouTube's browsing experience.
- **Performance and Responsiveness:** Optimized performance with Vite, achieving a 99 Google Lighthouse score, and built a fully responsive interface with light/dark mode support.

Travel Management System (HTML, CSS, JavaScript, PHP)

- **Database Design and Optimization:** Designed and optimized a MySQL database to store and manage user data, booking records, and transaction history, ensuring data integrity and scalability.
- **UI/UX Design and Automation:** Implemented user-friendly interfaces and automated travel processes, resulting in a 30% increase in operational efficiency.
- **Security Measures:** Developed robust input validation to ensure secure data handling, preventing 99% of potential database vulnerabilities.

Authentication Toolkit (Node.js, Express, MongoDB, Postman)

- **User Management:** Built RESTful APIs for user registration and login with robust input validation, hashed password storage, and JWT-based authentication.
- **File Upload Session Control:** Integrated Multer and Cloudinary for avatar/cover image uploads and implemented secure session handling including logout and token verification.
- **Testing Debugging:** Utilized Postman for comprehensive endpoint testing and ensured adherence to REST standards with consistent error handling and status codes.

ACHIEVEMENTS

- **Competitive Programming Enthusiast** – Solved 350+ DSA problems on LeetCode, GeeksforGeeks; composed and honed advanced algorithms that improved efficiency in tackling complex problems.
- **Graph-e-thon 2024 – Team Lead and Top 10 Finalist** – Selected among the top 10 teams in Graph-e-thon 2024 for leading a high-performing team and demonstrating effective decision-making, strategic thinking, and full-stack development skills in a competitive hackathon environment.