

SNEH SAURAV

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📁 Portfolio

Training

CipherSchool (Summer Training Program)

Jul 2024 - Aug 2024

- **Mastered MERN stack** technologies, specializing in React's component lifecycle, state management, and high-performance optimizations.
- **Engineered scalable**, modular code architectures, boosting execution efficiency by 40% and development productivity by 30%.
- **Applied advanced** debugging and optimization strategies, ensuring clean, maintainable, and high-reliability codebases.

Projects

Bookshelf Exchange App (MERN Stack, REST APIs, Responsive Web Design)

Mar 2024- Apr 2024

- **Engineered** a scalable MERN stack platform, optimizing MongoDB schemas and aggregations to accelerate query execution by 45% for seamless transactions.
- **Developed** and secured RESTful APIs with OAuth 2.0, JWT authentication, and RBAC, ensuring robust data protection and system integrity.
- **Boosted** server efficiency, reducing API latency by 40% and increasing throughput by 35% through indexing, async processing, and caching strategies.
- GitHub Repository: [Link](#)

Kanban Board Project (React, Firebase, Tailwind CSS, React Beautiful DnD)

Aug 2024 – Sep 2024

- **Engineered** a highly scalable Kanban board application using React.js, leveraging React Beautiful DnD to implement an intuitive drag-and-drop interface, enhancing workflow automation and task prioritization efficiency by 50%.
- **Architected and integrated** a real-time Firebase backend, ensuring secure data persistence, multi-user collaboration, and low-latency data synchronization, reducing load times by 40%.
- **Designed and optimized** a fully responsive UI with Tailwind CSS, ensuring cross-device compatibility, pixel-perfect layouts, and high-performance rendering, improving engagement metrics by 35%.
- GitHub Repository: [Link](#)

Achievements

- Solved over 500 coding problems, **boosting problem-solving skills** and coding speed by 40%. Jan'24
- **Ranked** 5 stars in C++ on HackerRank (Rating: 1085). Jan'24
- Top 3 in India Tour of Open-Source **Hackathon by Microsoft Technical Community** LPU for an innovative idea. Nov'22
- **Secured** 4th position in district-level 10th-grade exams. Jun'17
- **Languages:** German (B1 Level), English, Hindi

Certificates

- **DSA using C and C++ | Udemy— Certificate Link** Mar 2024
 - Completed an in-depth course on Data Structures and Algorithms, mastering arrays, linked lists, stacks, queues, trees, graphs, and advanced sorting/searching algorithms.
- **Developing Front-End Apps with React |Coursera — Certificate Link** Mar 2024
 - Developed front-end applications using React, focusing on component-based architecture and responsive design.
- **Javascript for Front End Developer |Board Infinity – Certificate Link** Jul 2023
 - Proficient in JavaScript, specializing in DOM manipulation, event handling, and asynchronous programming.

Technical Skills

- **Programming Languages:** C/C++, Python, Java, JavaScript
- **Technologies/Frameworks:** React.js, Node.js, HTML, CSS, Git, Figma, MongoDB, Redux, REST APIs, Firebase
- **Core Competencies:** Data Structures, Algorithms, Problem Solving, Responsive Web Design
- **Relevant Coursework:** Operating Systems, Object-Oriented Programming (OOP), Computer Networks, Database Management Systems (DBMS)

Education

Lovely Professional University

2021 – 2025

Computer Science and Engineering — CGPA: 8.5

Jalandhar, Punjab

Adarsh Vikas Vid Mahamadpur Phulwarisharif

2018 – 2019

12th with Science — CGPA:7.62

Patna, Bihar

Vishashvi Public School Fathuha

2016 – 2017

10th with Science — CGPA: 10

Patna, Bihar