

# Shivam Chaurasiya

SOFTWARE DEVELOPER

+91 7413851482 | shivam1482@outlook.com | github.com/ShviamChaurasiya | linkedin.com/in/shivam-chaurasiya

## Experience

**Snapy Inc , Software Development Engineer Intern (SDE) | Remote**

May 2024 - July 2024

- Engineered a secure authentication system with **Google OAuth 2.0** and password-based login using **JWT tokens**, achieving a 50% reduction in user authentication time and encrypting 100% of stored passwords using Bcrypt.js.
- Collaborated with backend developers to integrate RESTful APIs, improving data fetch and enabling real-time updates that enhanced overall application performance.

## Competitions

**ReadHaven - Online Book Reading Platform**

Chandigarh, India

MERN Stack (MongoDB, Express.js, React.js, Node.js), JWT, Bcrypt.js

2023

- Created a comprehensive online reading platform with over 10,000 books, totaling 3.2 million pages, spanning multiple genres and topics.
- Engineered a dynamic user interface using **React.js**, achieving a reduced in user navigation time and improvement in real-time content update speed, based on user engagement metrics.
- Built and optimized the backend using **Node.js** and **Express.js**.

## Projects

**Real Chat - Real Time Chat Messaging Application**

DEC 2024

Chat App, Personal Project

- Designed and built a **real-time chat application** using React.js and Node.js with **WebSockets** and **Socket.IO** for instant bidirectional communication.
- Backend with **Express.js** and **PostgreSQL**, enabling efficient user and message data management.

**Notes Management App**

Nov 2024 - Dec 2024

Notes Web App, Personal Project

- Architected a comprehensive notes management application using React.js for the user interface and Node.js for backend services; integrated secure authentication, resulting in user data protection compliance.
- Streamlined Google OAuth and a custom login/signup system, reducing login friction and achieving a 98% success rate in user authentication attempts.
- Deployed the backend on Render, achieving 99.9% uptime and supporting efficient CRUD operations for 1,000+ daily API requests with optimized performance.
- Integrated a rich text editor with **Quill.js**, enabling users to format notes with advanced styling. Stored and managed over 10,000 formatted notes securely in a PostgreSQL database hosted on Neon.

**Sorting Algorithm Visualizer**

Aug 2024 - Oct 2024

Visualizer Website, Personal Project

- Engineered an interactive web application using React.js and JavaScript to visualize **sorting algorithms** (Selection Sort, Bubble Sort, Insertion Sort, Merge Sort, Quick Sort, Heap Sort, Cycle Sort, 3-way Merge Sort) with real-time animations.
- Incorporated features such as customizable array sizes, speed controls, and detailed algorithm performance metrics, increasing user interaction with the application.
- Enhanced user engagement with visually appealing animations and a **responsive design**, leading to improvement in session duration and reduction in bounce rates.

## Education

7.2/10 **BE in Computer Science Engineering**, Chandigarh University | Mohali, Punjab

2025

75 % **Senior Secondary Education**, Sarvodaya Senior Secondary School | Kota, Rajasthan

2020

84 % **Secondary Education**, Metropolitan School | Gorakhpur, Uttar Pradesh

2018

**Achievements:** 1st Runner-Up – Hackathon Project 'ReadHaven' among 200+ participants, Research Paper Accepted: Image Category Classification (2023)

**Courses:** Data Structures and Algorithms, Object-Oriented Programming, Software Engineering, Database Management Systems, Web Development, Computer Networks, Operating Systems, Cloud Computing

## Skills

**Technical Skills**

Python, C++, JavaScript, HTML5, CSS3, Java, SQL, React.js, Node.js, Tailwind CSS, Express.js, API Integration, PostgreSQL, MongoDB, Git, GitHub, RESTful APIs, Responsive Design

**Soft Skills**

Team Collaboration, Communication and Adaptability, Analytical Thinking, Time Management, Leadership, Problem-solving, Documentation, Engaging Presentation, On-site coordination.