

Ritesh Singh

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Training

React / React, JavaScript, GitHub

Jan 2024 - Mar 2024

- Prepared minor project by working with core react concepts such as react hooks, virtual DOM, props and redux.
- Performed operations such as push, pull, rebase and made pull request to student's projects suggesting improvements using git bash and GitHub.

Data Structures and Algorithms / C++, Java

Jul 2022 - Aug 2022

- Solved 120 questions of Data Structures and algorithms in array, strings, matrix, tree, linked list and recursion.
- Applied concepts from training to create a parking management system in Java that logs users, generates parking tickets, maintains empty spaces and allots it based on binary search algorithm.

Projects

Notes App / MERN Stack, Responsive Web Design

Jun 2024 - Aug 2024

- Designed a web app with login and signup authentication, enabling users to create notes on canvas and upload up to 50 files, including PDFs, images, and docs, resulting in enhanced accessibility and organization for students.
- Facilitated robust access to 500 documents through clickable tiles, enabling efficient search by username, institute, and date of upload, resulting in streamlined document retrieval and improved user experience.
- Programmed JavaScript functions to persist state using Redux and local storage, preventing data loss on page refresh, which enhanced data reliability and user experience.

Book App / MERN Stack, Responsive Web Design

Jan 2024 - Mar 2024

- Deployed a platform wherein users can search for 1000 plus books, create read list, join 4 dedicated chat rooms, discuss books, authors, latest release and comment on books publicly.
- Modeled Schema for MongoDB database and developed REST APIs for insertion, retrieval, deletion of 100 plus chats from 4 different chat rooms.
- Integrated Socket.io to handle rooms, chats and users while storing and recalling last 100 chats from database using mongoose

Cab Booking System / Python, tkinter

Aug 2022 - Oct 2022

- Planned project layout to increase modularity and schema avoiding inconsistencies in database.
- Enabled users to login, signup and make bookings for cab within campus between 15 different locations through modular tkinter UI in python.
- Managed and stored data of 1000 users with travel details and tickets using SQL by creating cursors to create instance.

Technical Skills

Languages: C, C++, Java, Python, JavaScript, SQL

Libraries: React JS, React-Native, jQuery, Bootstrap

Technologies: Nodejs, Git, GitHub, Visual Studio, Android Studio

Coursework: DSA, Operating system, Database management system, Object-oriented programming, Computer networks

Achievements

- Solved 200+ DSA questions on **LeetCode**.
- Participated in **Smart India Hackathon 2023**.
- C++ 5-star and Python Basic certification on **HackerRank**.

Certificates

Full Stack Web Development

- Advanced React by Meta (Coursera)*
- React Basics by Meta (Coursera)*
- Developing front-end apps with react by IBM*

Apr 2024

Mar 2024

Mar 2024

Education

Lovely Professional University Punjab

2021 – 2025

Bachelor of Technology in Computer Science and Engineering — CGPA: 8.5

Jalandhar, Punjab

Army Public School

2019 – 2020

12th with Science — Percentage: 93.4%

Jalandhar, Punjab