

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

TaskLog / React-Native, Nodejs, Express, MongoDB

Jun 2024 - Aug 2024

- Developed a cross-platform mobile app that enables users to log tasks, displaying entries in chronological order with the most recent tasks at the top, each uniquely numbered for easy reference.
- Programmed a seamless authentication interface supporting login via email and username with OTP verification. Implemented state persistence using AsyncStorage, enabling the last logged-in user to retain access to their profile after app restarts until logout
- Facilitated robust access to over 1,000 task entries with a feature to search for other users by username, displaying their tasks side by side for streamlined comparison and review
- Leveraged Nodemailer for OTP delivery to users and utilized MongoDB to store, retrieve, and update tasks in the database. Implemented validation checks to prevent duplication of email addresses and usernames

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 Documents 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
- Employed bcryptjs to encrypt passwords and validate them before saving or updating in the database. Configured CORS to enable secure deployment and controlled access from specified origins

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