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Projects

Easy-Homes / *React JS, Restful APIs, NodeJS, Express JS, Redux, Tailwind, Firebase* / [GitHub](#) **October 2024**

- Strengthened the application to facilitate easy renting of real estate.
- Implemented Google Authentication using Firebase Authentication API, achieving secure and seamless user login.
- Developed advanced search functionality enhancing the real-estate marketplace's ability to filter and find properties based on multiple criteria such as location, price range, property type, and amenities, providing users with a more personalized and efficient search experience.
- Enhanced system performance by optimization of backend processes using Node.js and MongoDB.
- Employed bcrypt.js for secure password hashing and to generate random passwords for users authenticated via Google.

Blogify / *Node.js, EJS, HTML, Bootstrap, MongoDB* / [GitHub](#) **March 2024**

- Engage blog readers and writers on interactive and friendly platform.
- Designed robust authorization and authentication mechanisms through RESTful APIs, utilizing MongoDB as the database for efficient and scalable data management for role-based uses.
- Engineered server-side rendering (SSR) with EJS to enhance performance and deliver dynamic web pages efficiently.
- Created an easy-to-use article writing interface ensuring the creation, editing and updating of articles at one point.

Covid-19 Management / *PHP, HTML, SQLite, CSS, JavaScript* / [GitHub](#) **February 2024 - March 2024**

- Formulated a COVID-19 Management System enabling real-time tracking of cases, patient management, and vaccination schedules.
- Established secure user authentication and role-based access, ensuring seamless data management for admin.
- Utilized SQL for efficient data storage and retrieval, enabling seamless management of patient records, COVID-19 case tracking, and vaccination data with optimized query performance.

Certificates

Server-Side JavaScript with Node JS **May 2024**
[Coursera](#)

Generative AI with LLM **April 2024**
[Coursera](#)

Technical Skills

Languages C++, C, Java, JavaScript, PHP

Technologies/Frameworks: React JS, Node JS, Express JS, Git, GitHub, Ubuntu, Socket IO, Firebase.

Database Systems: PostgreSQL, MongoDB, MySQL

Skills: Data Structures and Algorithms, Problem-Solving, Responsive Web Design, Scripting JavaScript

Achievements

[LeetCode](#): Solved 350+ problems and live rating of 1597 **April 2025**

[CodeChef](#): 2 star Highest rating of 1588 **April 2025**

[GFG](#): Solved 140+ problems **March 2025**

Education

Lovely Professional University Punjab **2022 – 2026**
Computer Science and Engineering — CGPA: 7.72 *Phagwara, Punjab*

Indian Public School **2020 – 2022**
12th with Science — Percentage: 89% *Muzaffarpur, Bihar*

Indian Public School **2019 – 2020**
10th with Science — Percentage: 90% *Muzaffarpur, Bihar*