

# Ankit Raj

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## PROJECTS

- **EasyHomes – One stop solution to buying/renting of real estates:** Oct 2024 – Nov 2024
  - An application facilitating easy renting and buying of real estate across the city.
  - 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.
  - Improved system performance by 30% through optimization of backend processes using Node.js and MongoDB.**Tech:** React, Restful APIs, Node.js, Express.js, Redux, Tailwind, Firebase
- **Blogify – Platform for blog writing and reading:** Feb 2024 – Mar 2024
  - Created robust authorization and authentication mechanisms through RESTful APIs, utilizing MongoDB as the database for efficient and scalable data management for role-based uses.
  - Used server-side rendering (SSR) with EJS to enhance performance and deliver dynamic web pages efficiently.
  - Designed an easy-to-use article writing interface ensuring the creation, editing and updating of articles at one point.
  - Decreased server response downtime by 20%, improving client satisfaction rates.**Tech:** NodeJS, EJS, HTML, Bootstrap, MongoDB
- **Covid-19 Management – A medical Dashboard:** Feb 2024 – Mar 2024
  - Built a COVID-19 Management System enabling real-time tracking of cases, patient management, and vaccination schedules.
  - Applied secure user authentication and role-based access, ensuring seamless data management for administrators and healthcare workers.
  - 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.
  - Achieved 40% faster application load times by converting legacy code to React and optimizing frontend tasks.**Tech:** PHP, HTML, SQLite, CSS, JavaScript

## ACHIEVEMENTS

- **CodeChef :** Abal\_ankit
  - 3 ★ Highest rating of 1601
  - Global rank 683 in div3 among 20k+ participants
- **LeetCode:** Abal\_\_ankit
  - Solved 400+ problems including 200+ medium tagged
  - Current contest rating of 1530
- **Codeforces:** Abal\_ankit
  - Live rating of 1106, highest rating: 1204

## SKILLS

- **Languages:** C++, JavaScript, C, PHP
- **Frameworks:** HTML, CSS, Bootstrap, Node.js, React, Socket IO
- **Tools/Platforms:** MySQL, MongoDB, Git
- **Soft Skills:** Problem-Solving Skills, Team Player, Project Management, Adaptability

## CERTIFICATES

- Generative AI with LLM by Coursera Jan 2024 – Mar 2024
- Dynamic Programming and Greedy Algorithms by Coursera May 2024 – Jun 2024

## EDUCATION

- **Lovely Professional University** Punjab, India  
*Bachelor of Technology - Computer Science and Engineering; CGPA: 8.25* Since August 2022
- **Indian Public School** Hajipur, Bihar  
*Intermediate; Percentage: 84%* April 2020 - March 2022
- **Indian Public School** Hajipur, Bihar  
*Matriculation; Percentage: 89%* April 2019 - March 2020