GANGA SINGH

New Delhi, Delhi, India -110015 | P: +91-9310196653 |
gsbhatti2001@gmail.com

EDUCATION

GURU TEGH BAHADUR INSTITUTE OF TECHNOLOGY   Delhi, India
Bachelor of Technology - Computer Science and Engineering
Percentage: 85.00 / 100.00   Expected July 2024

WORK EXPERIENCE

CODSOFT - LINK   Kolkata, India
Web Development Intern   Aug 2023 – Sep 2023
- Developed and maintained web pages using HTML, CSS, and JavaScript, ensuring compliance with web standards and responsiveness across devices.
- Executed diverse web development tasks across multiple projects of different levels, utilizing modern practices and frameworks to create dynamic and interactive features, gaining 30+ hours of hands-on experience.

UNIVERSITY PROJECTS

KINNECT - LINK   May 2024
Technologies: NextJs, TypeScript, Socket.io, MySQL, Prisma
- Developed a connect and collaboration platform featuring real time communication, attachment support, real time message editing, various channels(text, audio, video), 1:1 conversations, member management, unique invite system, infinite message loading using @tanstack/query, light/dark mode, authentication, websocket fallback.
- Integrated authentication using Clerk, set up attachment functionality using UploadThing, and created robust server APIs for seamless server creation and invite link generation.
- Designed the interface for search server and channel lists, implemented 1:1 messaging and added audio/video call, and screen sharing capabilities using LiveKit.

NOTEZIPPER - LINK   Jan 2024
Technologies: MERN Stack
- Engineered a full-stack notes management application, which facilitates features such as user authentication, note creation, editing, deletion, and user profile management.
- Led the development of RESTful APIs with complete CRUD operations, enhancing the application's data interaction capabilities.
- Designed and implemented database schemas and connectivity, ensuring efficient data storage and retrieval using MongoDB.
- Developed robust user authentication processes using JWT, reinforcing system security and user privacy.

CHAT HUB - LINK   Dec 2023
Technologies: MERN Stack
- Developed a comprehensive real-time chat application, featuring one-on-one and group chat functionalities, group admin controls, notifications, user profiles, and a typing indicator.
- Led API development and database integration, ensuring robust backend connectivity with Postman for testing and troubleshooting.
- Implemented secure user authentication mechanisms using JWT, enhancing application security and user verification processes.
- Contributed to continuous integration and deployment processes, resulting in a scalable and responsive chat solution that supports real-time user interactions.

ACTIVITIES / CERTIFICATIONS

MASTER DATA STRUCTURES AND ALGORITHMS USING C++ - LINK   Oct 2022 – Apr 2023
Institution: Coding Blocks
- Acquired mastery of data structures and algorithms through a comprehensive curriculum, covering basic to advanced concepts.
- Developed proficiency in critical problem-solving skills and enabling the design and implementation of efficient, scalable solutions.

PROBLEM SOLVING (INTERMEDIATE) - LINK   Aug 2023
Platform: Hackerrank
- Demonstrated proficiency in problem-solving techniques through the successful resolution of three coding challenges using C++.
- Applied algorithmic principles and data structures to develop solutions, showcasing strong analytical and logical reasoning skills.

ADDITIONAL

Technical Skills: Data Structures, Algorithms, Problem Solving, C++, HTML, CSS, JavaScript, TypeScript, NodeJs, ExpressJs, DBMS, MySQL, MongoDb, OOPs, Operating Systems, Computer Networks. **Tools:** GitHub, Git control, VS Code, MS Office. **Web Links:** GitHub, LeetCode, LinkedIn. **Achievements & Activities:** 300+ LeetCode Questions, 150+ days LeetCode, 1445 rating Leetcode Contest, Participated in Flipkart Grid 4.0-SDE Challenge, Participated in Coding Battle-Code-e-Jung with Celebal Technologies.

Hobbies: Football, Sketching