

VIVEK

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🐙 [Github](#)

🏠 [LeetCode](#)

EDUCATION

Chandigarh University

Bachelor of Engineering in Computer Science (CGPA: 8.04)

2020 – 2024

Mohali, Punjab

EXPERIENCE

Belzabar Software: PostgreSQL, Postman, SpringBoot, Expertly

March 2024 – Present

Computer Scientist

Remote

- Constructed in-app notification system using JavaScript and PostgreSQL; delivered 500+ real-time user notifications daily, ensuring 99% of users received critical updates within government software.
- Enhanced form submission performance by approximately 70% (from 8–10s to 2–3s) through asynchronous processing, backend optimization, and query tuning.
- Implemented efficient filtering and sorting for large datasets (10K–15K records) and managed smooth environment migrations across development, staging, and production.
- Designed and implemented a robust role-based authorization and permissions system, ensuring secure and accurate access control for 2500+ users across 5+ user roles, with zero reported permission issues post-deployment.

PROJECTS

Photogram – Social Media Web App 🔗 | React.js, Node.js, Express.js, MongoDB, Cloudinary, JWT, Bcrypt.js

- Developed a full-stack social media web application using the MERN stack, with Cloudinary integration for scalable image storage.
- Implemented core social features including post creation, likes, comments, follow and secure authentication with JWT and Bcrypt.js.
- Designed a responsive and modern UI to enhance user experience across devices.

PulsePoint - Hospital Management System 🔗 | Spring Boot, PostgreSQL, React.js, Bcrypt, JWT

- Built a full-stack hospital management system using Spring Boot, React.js, and PostgreSQL, following RESTful API architecture.
- Implemented JWT-based authentication and Spring Security, ensuring secure access to protected routes and user data.
- Integrated email notification service using Spring Mail for real-time alerts like registration and appointment confirmations.

Chatbook – Real-time Chat Platform 🔗 | React.js, Firebase, Google Auth, Firestore

- Built a real-time chat web application using React.js and Firebase, combining seamless functionality with an intuitive user interface.
- Integrated Google Authentication for secure, frictionless user login and session management.
- Implemented advanced user search to enhance discoverability and overall platform engagement.

TECHNICAL SKILLS

Languages: C, C++, SQL, Python

Developer Tools: Docker, Visual Studio, FireBase, Git, PgAdmin, Postman, Sublime text

Databases: MongoDB, MySQL, FireStore.

Web Deveopmenet: Node.js, React.js, Express.js, SpringBoot, Bootstrap.

ACHIEVEMENTS

- Selected for the prestigious “Kargil Batch” at Chandigarh University — ranked among the top 150 out of 5,000+ students based on coding and analytical performance.
- Solved 1100+ problems across platforms such as LeetCode, CodeChef, and HackerRank; awarded 5-star coder status on HackerRank.
- Secured Global Rank 340 in CodeChef Starters 99
- Finalist in TechGig Code Gladiators Hackathon 2022, selected from thousands of participants nationwide.
- Achieved 91 percentile in JEE-Mains 2020, ranking among the top 10% of over 1 million test-takers nationally.