

Vinay Singh

Software Developer specializing in dynamic, scalable web applications with a focus on seamless user experiences and secure data management. Delivers robust, innovative solutions with technical excellence and modern practices

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EDUCATION

Lovely Professional University (LPU), Phagwara, Punjab | India

B.Tech (Hons) in Computer Science and Engineering - (8.76 CGPA)

2019 - 2023

PROJECTS

Pro Manage - Task Management App [↗](#)

July 24 - Sept 24

Leveraged the MERN stack to create an elegant task management platform with a focus on security and efficiency.

Platform Features:

- **Task Organization:** Implemented MongoDB on AWS for seamless CRUD operations on tasks posting and managing tasks across categories like backlog, todo, in progress, and done.
- **Collaboration:** Enabled adding collaborators to tasks with real-time updates using React functionalities.
- **User Authentication:** Secured the platform with JWT authentication and bcrypt password hashing, ensuring only authorized access.
- **Analytics:** Integrated advanced task analytics using MongoDB and Express middleware, visualized via React.
- **User Notifications:** Enhanced user experience with Toastify for elegant task-related notifications.

Quizzie - Quiz Builder Platform [↗](#)

April 24 - June 24

Crafted a sophisticated quiz-building platform using the MERN stack, offering customization and real-time engagement.

Platform Features:

- **Quiz Creation:** Enabled CRUD quiz postings and sharing, with MongoDB on Google Cloud handling data storage.
- **Anonymous Participation:** Implemented JWT with bcrypt password hashing to allow secure yet anonymous quiz participation.
- **Real-Time Scoring:** Integrated timer and instantaneous score updates, displayed via React.
- **User Analytics:** Detailed performance analytics, with Express middleware ensuring smooth data flow.
- **User Experience:** Enhanced user interaction with Toastify for real-time feedback and notifications.

JobFinder - Job Management App [↗](#)

Jan 24 - Feb 24

Developed a refined job management system utilizing the MERN stack, emphasizing secure access and intuitive design.

Platform Features:

- **Job Post Management:** Utilized MongoDB on Azure for seamless CRUD operations on job postings.
- **User Authentication:** Ensured security with JWT authentication and bcrypt password hashing.
- **Advanced Search:** Integrated React-based filters for skills and job titles, with Express handling backend queries.
- **Content Security:** Employed Express middlewares to safeguard content management.
- **User Alerts:** Incorporated Toastify for polished, real-time user notifications.

CERTIFICATES

Full Stack Web Development + DSA Internship Training by Cuvette | Jan 24 - July 24 [↗](#)

Data Structure and Algorithm in C++ by Coding Ninjas | Sept 23 - Jan 24 [↗](#)

SKILLS

- **Languages:** C++, JavaScript, HTML, SQL, CSS
- **Frameworks:** Express.js, Bootstrap, Tailwind CSS
- **Libraries:** React, Redux, Mongoose
- **Tools:** Node.js, MongoDB, MySQL, REST, Git, Figma, Netlify, Render, Postman, Unity, Material UI

ACHIEVEMENTS

- Ranked 3,775 out of 1,04,307 in CodeKaze'23
- Global Rank 108 and 242 in May and July Long
- 3 Star at CodeChef
- Contributed 4+ PR's in Hacktoberfest 21, 22, 23