PANKAJ KUMAR

B.Tech Student – Computer Science and Engineering

+91 9519231199 • pankajkumar.tech2024@gmail.com • Lucknow, India

Summary

I am a B.Tech graduate with practical experience in MERN stack development (MongoDB, Express.js, React.js, Node.js). I am skilled in building full-stack web applications, developing RESTful APIs, managing databases, and creating responsive, user-friendly interfaces. I have strong problem-solving abilities, adapt quickly to new technologies, and am committed to delivering efficient, scalable solutions. Seeking to maintain a professional tone a MERN Stack Developer role to contribute to impactful projects in a growth-oriented organization.

Education

United University
Prayagraj, India

Bachelor of Technology in Computer Science and Engineering
08/2021 - 06/2025

| GPA: **8** / 10

Skills

Languages: JavaScript, Python, Java, C, HTML5, CSS

Web Technologies: React.js, Node.js, Express.js, RESTful APIs

Database: MongoDB, MySQL

Tools: Git, Postman, VS Code, Chrome DevTools

Projects

Pet-Pulse
https://github.com/pankajk12/Pet-pulse

Pet-Pulse project focusing on connecting pets with local services

- Developed a user-friendly platform connecting pet owners with local service providers, increasing service bookings by 40%.
- Implemented a rating and review system, enhancing user trust and engagement, leading to a 25% increase in repeat customers.
- Optimized search functionality, reducing the time to find a service provider by 50%, improving user satisfaction.

Derma-Scan
https://github.com/pankajk12/DERMASCAN

- Built an AI-powered web application using JavaScript and HTML/CSS that allows users to upload skin images and receive preliminary skin condition insights.
- Integrated a machine learning model for dermatology image analysis, optimizing frontend and backend communication for faster prediction delivery.
- Designed a user-friendly, responsive UI and implemented secure image upload, preview, and result display features with smooth UX.

Chat-Application
https://github.com/pankajk12/Chat-App

- Developed a full-stack real-time chat application using MERN stack (MongoDB, Express.js, React.js, Node.js) with private and global chat functionality.
- Implemented user authentication using JWT tokens and managed secure backend API routes with Express.js and MongoDB via Mongoose ORM.
- Integrated Socket.IO for real-time message broadcasting, typing indicators, and dynamic user list updates in both group and private chat features.

CodaQuest Technical Website

https://github.com/pankajk12/CodaQuest

CodaQuest Technical Website project focusing on enhancing task management

- Developed and launched daily quiz features, resulting in a 25% increase in successful task completions across diverse scenarios.
- Implemented a to-do list system, boosting task completion rates by 30% through intuitive design and progress tracking
- Bridged the gap between candidates and employers by reducing recruitment turnaround time by 20%.
- Powered the back-end using Node.js, Express.js, and MongoDB, handling 10,000+ API requests daily.

Todo-list

https://github.com/pankajk12/To-do-List

- Designed and developed a responsive to-do list web app using React.js, Node.js, Express.js, and MongoDB.
  • Implemented CRUD functionalities, enabling users to add, update, delete, and manage tasks efficiently.
  • Integrated local storage and user authentication, improving data persistence and security.

Internship

VileanX Advanced Technologies

Java Programming Trainee

Remote
06/2024 - 01/1970

Java Programming Trainee

- Engineered unit tests for three core modules, achieving 100% test coverage and ensuring reliable functionality
- Collaborated with a four-member cross-functional team to deliver results on time while adhering to industry best practices
- Designed and integrated advanced data validation protocols, reducing input errors by 40% and ensuring data integrity
- Optimized system performance by implementing efficient algorithms, improving processing speed by 25% and enhancing user experience

Key Achievements

🏆 **Event Coordination**

Coordinated 2+ college events, achieving participant engagement of over 300 individuals across various activities, and successfully managing logistics and operations

⭐ **Financial Success**

Achieved a net profit of 15% in the equity market over 3 months using data analytics, showcasing strong analytical and financial skills

💡 **Chess Accomplishment**

Reached Champion League status on Chess.com with a peak rating of 1456 in Rapid Chess, reflecting strong strategic thinking and problem-solving abilities