

PANKAJ KUMAR

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PROFESSIONAL SUMMARY

Highly motivated and detail-oriented B.Tech graduate in Computer Science with strong problem-solving abilities and hands-on experience in full-stack development using the MERN stack (MongoDB, Express.js, React.js, Node.js). Skilled in building scalable web applications, RESTful APIs, and responsive interfaces. Eager to contribute to innovative projects in a growth-oriented organization.

EDUCATION

Bachelor of Technology in Computer Science and Engineering

Aug 2021 – June 2025

United University, Prayagraj, India

GPA: 8.0/10.0

SKILLS

- **Languages:** JavaScript (ES6+), Python, Java, C, HTML5, CSS3
- **Frontend:** React.js, Redux, HTML5, CSS3, Responsive Design
- **Backend:** Node.js, Express.js
- **Databases:** MongoDB, MySQL
- **Developer Tools:** Git, GitHub, VS Code, Postman, Chrome DevTools
- **APIs & Others:** RESTful APIs, JWT Authentication, Socket.IO, Mongoose

PROJECTS

Pet-Pulse

[GitHub Link]

- Engineered a full-stack platform connecting pet owners with service providers, increasing service bookings by 40%.
- Implemented a rating and review system that enhanced user trust, leading to a 25% increase in repeat customers.
- Optimized search functionality with advanced filtering, reducing the time to find a service provider by 50%.

CodaQuest Technical Website

[GitHub Link]

- Architected a back-end system using Node.js, Express.js, and MongoDB to reliably handle over 10,000 daily API requests.
- Launched a daily quiz feature, resulting in a 25% increase in user engagement and task completion.
- Deployed an intuitive to-do list system with progress tracking, boosting user task completion rates by 30%.

Chat-Application

[GitHub Link]

- Constructed a full-stack, real-time chat application using the MERN stack, featuring private and group chat functionalities.
- Integrated Socket.IO for seamless real-time messaging, typing indicators, and dynamic user status updates.
- Secured the application using JWT for user authentication and managed API routes with Express.js and Mongoose.

Derma-Scan

[GitHub Link]

- Created an AI-powered web application for preliminary skin condition analysis by integrating a machine learning model.
- Optimized front-end and back-end communication for efficient image processing and rapid delivery of prediction results.
- Designed a responsive and intuitive interface with secure image upload, preview, and results display features.

INTERNSHIP

Java Programming Trainee

Aug 2024 – Sep 2024

VileanX Advanced Technologies

(Remote)

- Wrote comprehensive unit tests for three core application modules, achieving 100% test coverage and ensuring code reliability.
- Integrated advanced data validation protocols, which reduced data entry errors by 40% and improved data integrity.
- Enhanced system performance by implementing efficient algorithms, improving data processing speed by 25%.
- Collaborated within a four-member agile team, using Git for version control to deliver project milestones on schedule.

ACHIEVEMENTS

- **Event Coordination:** Coordinated 2+ major college events, managing logistics and operations for over 300 participants.
- **Financial Acumen:** Achieved a 15% net profit in the equity market over a 3-month period through strategic data analysis.
- **Strategic Thinking:** Attained Champion League status on Chess.com with a peak rating of 1456 in the Rapid format.