



DEEPSHIKHA SHRIVASTAVA

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Ameerpet, Hyderabad, Telangana, 500016

"Dedicated MERN Stack Developer with a strong foundation in MongoDB, Express.js, React.js, and Node.js, aiming to leverage my expertise in building scalable, user-centric web applications. Proficient in designing and implementing RESTful APIs, optimizing database performance, and creating responsive front-end interfaces. Driven by delivering seamless user experiences and collaborating with cross-functional teams to achieve project goals. Seeking a challenging role in a versatile organization where I can contribute to innovative solutions, enhance my technical skills, and drive impactful results. Committed to staying updated with emerging technologies to ensure the delivery of cutting-edge applications."

EDUCATION

Christ College, Shaheed Mahendra Karma University, Jagdalpur, Chhattisgarh

M.Sc.CS. (2021) and B.C.A.(2017)

PROFESSIONAL EXPERIENCE

Oct 2019 – Nov 2024

Computer Science Trainer at Vidya Jyoti Senior Secondary Institution, Jagdalpur , Chhattisgarh.

➤ Quiz Application Project using Python

- Developed a terminal-based quiz application using core Python.
- Implemented user input handling and answer validation.
- Provided instant feedback for correct and incorrect answers.
- Tested the application with various inputs to ensure accuracy.

➤ Worked on LINUX Operating System and its commands (Terminal, Command Prompt, PowerShell, OneNote and Access), DOS Commands etc.

PROJECTS

PROBLEMS

Mar 2025 - Present

- **Built** a WhatsApp-like real-time chat application leveraging MongoDB, Express.js, React, and Node.js (MERN), with Mongoose for efficient database schema creation and queries. Programmed responsive React components to **enhance** user experience and **integrated** scalable RESTful APIs for facilitate seamless communication between the client and server.
 - Enforced schemas and data validation with Mongoose for user authentication, contact management, and message storage, ensuring secure and structured data handling. Utilized Mongoose's middleware to automate data handling operations, ensuring robust performance.
 - **Devised** innovative features like instant messaging, group chats, and message delivery status i.e. sent, delivered or read updates to **enhance** user engagement and experience.
 - **Optimized** performance by monitoring and debugging database operations, ensuring low-latency message delivery.
 - **Mapped and executed** comprehensive test suites encompassing functional, regression, and performance testing on 10+ web browsers; detected and resolved 25+ critical bugs before launch, reducing post-release incidents.

E-Commerce Platform

Feb 2025 - Present

Description: Systematized a full-featured custom e-commerce platform using the MERN stack (MongoDB, Express.js, React, Node.js). The application offers a seamless and resourceful shopping experience for users.

- **Crafted** and applied RESTful APIs using Node.js and Express.js for backend development to manage user authentication, product listings, order processing, and payment gateway integration.
 - **Utilized** MongoDB database for client data storage and retrieval. Integrated data models for products of users with Mongoose.
 - **Created** a responsive and user-friendly interface using React.js frontend development library. Adopted reusable components for product listings, shopping cart, checkout process, and user progress.
 - **Built** secure user authentication and authorization using JWT to ensure only authenticated users can access certain features.

Household Expenses Management System

Feb 2017 – Jan 2021

Description: Produced a robust expense and income tracking system to empower users in managing their financial activities effectively.

- Launched a user-friendly interface using Visual Basic to ensure seamless navigation and accessibility. Integrated MySQL database for secure and efficient storage of financial data, enabling quick retrieval and updates.
 - **Generated** functionalities for categorizing expenses and income, offering detailed reports and summaries for better financial planning. Augmented database queries to enhance system performance and reduce response time.
 - **Automated** calculations for monthly budgets, savings, and expense limits, helping users make informed decisions. **Collaborated** with stakeholders to gather requirements and ensure the system met user expectations.
 - Inspected and debugged the application to ensure reliability and accuracy in financial data processing.

Property Dealer Management System

Jun 2014 – Nov 2017

Description: Innovated a comprehensive system to streamline property management and bridge the gap between customers and property sellers. The system enables users to access detailed information about housing, land, and flats available for rent or sale, eliminating the need for physical visits to multiple locations.

- Executed a user-friendly interface using Visual Basic to ensure intuitive navigation and accessibility for users. Configured a robust MySQL database and manage property records, details like location, rates, and availability.
- **Automated** the process of searching and filtering properties based on user preferences, saving time and effort. Integrated functionalities to categorize properties by type, location, and price, enabling quick and accurate searches.
- **Optimized** database queries to enhance system performance and reduce response time for property searches. Facilitated seamless communication between customers and property sellers by providing contact details and descriptions.
- Verified and debugged the application to ensure reliability and smooth operation.

TECHNICAL SKILLS

- HTML5 and CSS3, JavaScript, React.js, Node.js, MongoDB
- Axios, React Hot Toast, JSON Web Token, Postman (API Development Tool), React Router DOM
- Git and GitHub
- Agile and Scrum (Present)
- Figma (Present)
- IDE used Visual Studio Code and Visual Studio

SOFT SKILLS

Creativity, Attention to detail, Honesty, Curiosity , Resilience, and Communication Languages are English and Hindi.

"I hereby declare that the above information is true to the best of my knowledge."

Deepshikha

Date: 19 April 2025

Place: Hyderabad