PRERNA SHARMA

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EDUCATION

JK Lakshmipat University   **Jaipur**
Bachelor of Technology (B.Tech), Computer Science and Engineering   **2022-2026**

WORK EXPERIENCE

Software Teainee   **June 2024 – August 2024**
Innoraft, Remote

- Translated Figma designs into clean, responsive web pages using HTML, CSS, and jQuery, ensuring cross-browser compatibility and mobile responsiveness.
- Collaborated with senior developers to implement UI/UX features and deployed updates through GitHub.

PROJECTS

Write It | **MERN + Vite**   **Sep 2024 - Nov 2024**

- Built a full-stack story writing application using the MERN stack and Vite, optimizing performance with fast Hot Module Replacement (HMR).
- Integrated JWT authentication for secure user login and MongoDB for secure user data storage and content management.

Journey Craft | **MERN + Vite**   **Mar 2025 - May 2025**

- Developed a full-stack trip management application allowing users to create and customize itineraries and integrate local events.
- Implemented secure user authentication, responsive design, and dynamic event integration to enhance personalization and improve user experience.

Breast Cancer Detection | **U-Net, PyTorch**   **Mar 2025 - Apr 2025**

- Developed a deep learning-based tumor detection model using the U-Net architecture trained on the CBIS-DDSM mammography dataset.
- Applied preprocessing, normalization, and image augmentation techniques to improve segmentation accuracy and support early diagnosis through precise tumor localization.

TECHNICAL SKILLS

- **Languages:** HTML, CSS, JavaScript, Python
- **Frontend:** React, jQuery
- **Backend:** Node.js, Express
- **Databases:** MongoDB, SQLite
- **Libraries & Tools:** Pandas, NumPy, Matplotlib, Git, GitHub