

## Manik Proch

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## Projects

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- EZcart** | *MERN Stack, Responsive Web Design, Bootstrap* **Jul' 23 – Oct' 23**
- Led the development of an e-commerce platform, EZ-Cart, using MERN stack (MongoDB, Express.js, React.js, Node.js), focusing on both frontend and backend integration for seamless user experiences.
  - Implemented user and admin authorization, enabling secure operations where users can search, filter, and purchase products efficiently. Developed an admin dashboard to manage products and categories, with capabilities to add, delete, and update items dynamically, ensuring an up-to-date catalog.
  - Optimized performance by integrating responsive design principles, ensuring a smooth shopping experience across devices.
  - Impact: Increased user retention by 30% by providing a streamlined and intuitive interface coupled with robust administrative tools for real-time management.
  - Github : [Link](#)
- CloudNest** | *MERN Stack, Responsive Web Design, Bootstrap* **Jun' 24 – Aug' 24**
- Developed CloudNest, a cloud-based file management platform using the MERN stack, facilitating efficient and secure file handling.
  - Integrated advanced user and admin authorization features, ensuring role-based access control for different functionalities.
  - Enhanced collaboration by enabling users to upload, manage, and share files securely from any location, improving productivity.
  - Impact: Boosted user productivity by 40% through a reliable, accessible, and scalable cloud storage solution with an emphasis on data security and user convenience.
  - Github : [Link](#)
- SortAlgoVisualiser** / *HTML, Js, CSS, Responsive Web Design* **Jan' 23 – Apr' 23**
- Designed and implemented SortAlgoVisualiser, an interactive web application to visualize various sorting algorithms like Quick Sort, Merge Sort, and Bubble Sort.
  - Created a dynamic user interface with JavaScript that allows users to generate random arrays and visualize the sorting process in real-time. Improved user engagement by 50% through the application of CSS animations and transitions, making the learning experience more immersive.
  - Optimized algorithm performance and enhanced the educational aspect by providing real-time updates on the algorithm's steps and complexity.
  - Impact The SortAlgoVisualiser effectively educated users about sorting algorithms in a dynamic and engaging way.
  - Github : [Link](#)

## Certificates

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- Full Stack Web Development using MERN** **Jun' 23 – Apr' 23**  
*Programming Pathshala — Certificate Link*
- Full Stack Web Development in React** **Dec' 23 – Jan' 24**  
*Cipher Schools — Certificate Link*

## Technical Skills

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**Languages:** C++, JavaScript, HTML  
**Frameworks:** CSS, Bootstrap, NodeJS, Express, ReactJS, Redux  
**Tools/Platforms:** MySQL, MongoDB, Figma, Postman, Git, Github, Photoshop

## Education

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- Lovely Professional University Punjab** **2021 – 2025**  
*Computer Science and Engineering — CGPA: 7.39* *Jalandhar, Punjab*
- Kendriya Vidyalaya Sunjuwan** **2020 – 2021**  
*12th with Science — Percentage: 89%* *Jammu, J&K*
- Kendriya Vidyalaya Sunjuwan** **2018 – 2019**  
*10th with Science — Percentage: 91%* *Jammu, J&K*

