

## Projects

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### CARTOON WORLD | A React-based Streaming Interface

Mar 2024 - May 2025

- **Developed a full-featured front-end web application for animated content discovery**, enabling users to explore, preview, and interact with 20+ cartoons and anime titles through an intuitive and responsive UI.
- **LEARNING:** Mastered advanced React concepts including routing with React Router, dynamic state sharing using props and useLocation, and JSON-based data integration. Emphasized modular component design by creating reusable structures for navigation, movie tiles, and detail pages.
- **OUTCOME:** Achieved a seamless single-page user experience through client-side routing and dynamic data passing, reducing navigation delay by 90%. Implemented lazy image loading and scroll-to-top logic to enhance performance and maintain a clean viewing experience across devices.
- GitHub Repository Link: CLOMDY/CartoonWorld

### ExpenseTracker | A Database management system

Nov 2024 - Dec 2024

- Constructed an expense tracking application with stored procedures, triggers, and cursors, enabling users to monitor spending across 15 distinct categories and identify potential areas for savings.
- **LEARNING:** Stepped into a temporary team lead role for two weeks, guiding three junior developers in debugging database functions; delivered the project one week ahead of schedule.
- **OUTCOME:** Conducted thorough user acceptance testing across 100 scenarios, resulting in a fully operational expense tracking system; streamlined processes improved user engagement, with feedback from over 150 users driving subsequent enhancements.
- GitHub Repository Link: CLOMDY/ExpenseTracker

### GAMEHUB | NodeJS based backend project

Apr 2024 - May 2024

- Designed and deployed a NodeJS microservice for managing game listings and details, leading to a 30% decrease in server response time and revamped application performance by 15%.
- **LEARNING:** Leveraged TypeScript to develop GAMEHUB, enabling efficient data validation and reducing potential runtime errors by 15% through static typing and refined code maintainability.
- **OUTCOME:** Developed an intuitive content management system for game listings, enabling non-technical team members to update information seamlessly; system now supports over 150 active game titles with minimal training required.
- GitHub Repository Link: CLOMDY/GAMEHUB

### QuickPark | Parking and Carpool in one App

Jan 2024 - May 2024

- Developed front-end components for a parking app, integrating location-based suggestions for nearby amenities, and improving user satisfaction scores by 25% based on user surveys and app store ratings.
- **LEARNING:** Implemented a structured feedback process involving 5+ team members, leading to improved design accuracy; this approach established collaboration and achieved a 25% reduction in revision cycles during the project lifecycle.
- **OUTCOME:** Pioneered a car parking and carpool application featuring optimized power consumption, achieving a 30% reduction in energy usage compared to standard parking management systems during peak hours.
- GitHub Repository Link: CLOMDY/QuickPark

### Resto | An Ionic web-app project

Oct 2023 - Nov 2023

- Led the front-end development of a restaurant application using Ionic, focused on presenting detailed dish information; refined the application's architecture, which awarded code maintainability for 3 developers.
- **LEARNING:** Mastered Ionic framework fundamentals through hands-on development of Resto web-app, showcasing proficiency in front-end design principles and mobile-first development, completing 20+ hours of tutorials and coding challenges.
- **OUTCOME:** Spearheaded the creation of a restaurant web application with 10+ customizable templates, empowering restaurants to establish a professional online presence and attract new customers within a month.
- GitHub Repository Link: CLOMDY/Resto

## Certificates

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### Responsive Web Design

July 2025

Completed a 300-hour certification covering semantic HTML, CSS Flexbox & Grid, accessibility, and responsive design including 5 real-world web projects.

*freeCodeCamp — Certificate-link*

### Programming using Java

March 2025

For course introduces a participant to basics of programming and object-oriented programming using Java as the programming language.

*Infosys Springboard — Certificate-link*

### Full Stack Development in MERN

July 2023

For attending a front end focused MERN development.

*Programming Pathshala — Certificate-link*

### Vijyoti Social Welfare & Education Trust

July 2022

For teaching poor kids in school/Temple and for event manager.

### National Cadet Corps

March 2019

For participated in National Cadet Corps annual training camp.

## Technical Skills

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**Languages:** C++, Java, JavaScript, Python, C, PHP, TypeScript.

**Technologies/Frameworks:** React, Angular, Node.js, HTML, CSS, Bootstrap, Ionic, jQuery

**Skills:** Data Structures and Algorithms, Python, JavaScript, Responsive Web Design, Team Coordination, Project Scheduling, Optimization.

## Education

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### Lovely Professional University Punjab

2024 – 2026

*Master of Computer Application — CGPA: 8.19*

*Jalandhar, Punjab*

### Lovely Professional University Punjab

2021 – 2024

*Bachelor of Computer Application — CGPA: 8.56*

*Jalandhar, Punjab*

### D. A. V. Public School, BSEB

2019 – 2020

*12th with Commerce*

*Patna, Bihar*