ADITYA PAREEK

International Institute of Information Technology, Bangalore

📞 7297958039 ✉ pareekaditya01@gmail.com 🔗 Linkedin 🐙 Github

Education

International Institute of Information Technology Bangalore **2025 – 2027**
Master of Technology in Computer Science & Engineering *Bangalore, Karnataka*

Manipal University Jaipur **2020 – 2024**
Bachelor of Technology in Computer Science & Engineering CGPA: 3.44/5.0 *Jaipur, Rajasthan*

Projects

BANKING MANAGEMENT SYSTEM | *C, POSIX Threads, Socket Programming, System Calls* | **Link**
- Built a multithreaded client–server banking platform with **role-based access control** (Customer, Employee, Manager, Admin) and concurrent session handling using POSIX threads.
- Implemented **ACID-style transaction safety** using write-ahead logging, crash recovery logic, and file-level/record-level locking to maintain consistency during concurrent operations.
- Designed core banking modules including account management, fund transfers, loan approval workflow, and feedback handling with strong validation and secure state management.
- Developed a modular architecture separating server, client, admin, data-access, and role-specific components, ensuring scalability, maintainability, and robust concurrency control.

QUIZTRACKER (GO CLASSES) | *React, Firebase, Chart.js* | **Link**
- Developed a quiz tracking application for Go Classes students using **React** and **Firebase**.
- Implemented features including quiz marking, remarks addition, score recording, and topic-wise performance analysis.
- Utilized **Chart.js** to visualize quiz performance data, aiding in progress tracking and analysis.
- Achieved a user base of over **300 students** with **11-12 daily active users**.

CINEPULSE | *React, Redux, React Router, Firebase, Tailwind CSS* | **Link**
- Developed a movie information platform using **React**, **Redux**, and **React Router** for seamless navigation and state management.
- Integrated **Firebase** for user authentication and real-time data storage, ensuring secure and scalable functionality.
- Designed a responsive UI with **Tailwind CSS** to display detailed information about movies, including trending, popular, and upcoming titles.
- Implemented a search feature to allow users to find movies and view detailed descriptions, ratings, and reviews.

TRENDLOOM | *Flutter, NodeJs, MongoDB* | **Link**
- Built an online clothing app using **Flutter**, with **NodeJs**, and **MongoDB** handling backend operations.
- Implemented the **BLoC** state management pattern for efficient data flow and responsive UI.
- Integrated **Razorpay** for secure payment processing and user authentication to protect user data.

Technical Skills

Languages: C, C++
Developer Tools: VS Code, Android Studio
Technologies/Frameworks: HTML, CSS, Tailwind CSS, React, Firebase
Miscellaneous: Git, GitHub, Getform, Postman

Relevant Coursework

- Data Structures
- Algorithm Analysis
- Database Management
- Operating System

Achievements & Involvement

LeetCode | *Achieved peak rating of 1761*

CodeForces | *Achieved the rank of Pupil.*

GitHub | *Contributed to multiple projects and repositories.*

PORTFOLIO | *Showcasing my work and projects.* | **Link**