

RAJ AISHWARY PRATAP SINGH

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EDUCATION

Lovely Professional University, Jalandhar

Aug 2020 - June 2024

Bachelor of Technology in Computer Science and Engineering

CGPA: 8.10/10

TECHNICAL SKILLS

Languages: C, C++, Java, Python, JavaScript, TypeScript, SQL

Technologies/Frameworks: HTML, CSS, React Native, React.js, Next.js, Redux, Node.js, MongoDB

Core Concepts: Data Structures, Algorithms, OOP, OS, DBMS

Developer Tools & Platforms: Git, GitHub, Postman, Android Studio, VS Code, Retool, Appsmith

EXPERIENCE

Unacademy | Next.js, JavaScript, Redux, Appsmith, Retool, MySQL, REST APIs

Apr 2025 - Aug 2025

Software Development Engineer Intern

Bengaluru, Karnataka

- Migrated internal dashboards from Retool to Appsmith by replicating frontend functionality and adapting queries, contributing to an estimated **INR 7L/month cost reduction** in platform usage.
- Developed dynamic and modular pages for **Atlas**, Unacademy's internal platform, to manage role-based access control, Hagrid workspaces, and group hierarchies efficiently.

Jupiter Money | React Native, TypeScript, JavaScript

Nov 2023 - Nov 2024

Software Development Engineer Intern

Bengaluru, Karnataka

- Revamped the **Debit Card landing page** and associated screens, resulting in a **15% reduction in loading time** and enhancing the user experience with a more streamlined, responsive UI.
- Collaborated extensively with the frontend team on the **Jupiter 3.0 app reskin project**, ensuring a consistent and engaging user experience across multiple screens.
- Created a **Collect Request Popup** feature that ensures users see payment requests immediately upon app launch, resulting in an **8% increase in funnel conversion rates**.
- Led the switch migration from **FIS to Federal debit cards**, implementing Federal's API to allow for higher international transaction limits, resulting in a **9% increase in success rate**. Created multiple screens as part of the development process and contributed significantly to the overall feature flow.
- Overhauled the **bank transfer and self transfer flows**, optimizing the entire process to enhance speed and efficiency, resulting in faster page loading times. Implemented design improvements in line with the new theme of the Jupiter app, creating a more intuitive experience for users.

PROJECTS

DrivePro 🚗 | Next.js, TailwindCSS, PostgreSQL, Clerk, Google Gemini AI, Arcjet

Jan 2025 - Mar 2025

- Built an **AI-powered car test-drive booking platform** delivering dynamic catalog, detail, and reservation flows; saved cars and waitlist; and a full admin dashboard with CRUD. Implemented **image-based vehicle search and admin auto-fill via Gemini** with JSON extraction from uploads, server actions, role-based edge middleware, pagination, filtering, sorting, SSR and streaming with skeleton states, Arcjet rate limiting, and versioned Prisma migrations for reliability and maintainability.

Coffee House ☕ | React Native, TypeScript, CSS, Zustand

Sep 2024 - Oct 2024

- Engineered a **cross-platform coffee shop app** enabling users to browse and purchase coffees and beans with detailed product views and personalized favorites, featuring a size-aware, quantity-adjustable cart, frontend payment selection flow, and order history within a polished, animated UI.

JobHunt 🚀 | Node.js, React.js, Express.js, MongoDB, Redux, Tailwind CSS, JWT

Jul 2024 - Aug 2024

- Delivered a production-ready **MERN job portal** enabling recruiters to manage companies and postings while candidates discover roles with advanced search, apply seamlessly with single-apply enforcement, track **real-time status updates**, and maintain rich profiles with secure media uploads, all behind robust JWT based role authorization.

ACHIEVEMENTS

- **Codeforces** (Max Rating **1610**, **Expert**) - Solved 471 problems. 🚀
- **LeetCode** (Max Rating **2061**, **Top 2%**) - Solved 912 problems. 🚀
- **CodeChef** (Max Rating **1895**, **4-Star**). 🚀
- **Top 25 (Rank 14)** out of **733 participants** in the **Neo Codeathon** held at LPU. 🚀