

# Manas Ranjan Adha

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## EDUCATION

### Indian Institute of Information Technology, Allahabad

*Bachelor of Technology in Information Technology*

Prayagraj, India

Aug 2016 – Jun 2020

### Prayas Junior College, Sundargarh

*Science | Percentage: 84%*

Odisha, India

Apr 2013 – Jun 2015

## EXPERIENCE

### SDE-1 | Nodejs, Reactjs, TypeScript

April 2023 – Present

Chennai, India

- Contributed to **The Product Platform** (10,000+ monthly active users) by developing frontend features for EdTech related workflows, including user onboarding and account management, helping improve overall registration completion.
- Built and maintained RESTful APIs using **Node.js, Express.js, and PostgreSQL** for content management features, following a layered API structure and clear request/response handling using DTOs.
- Implemented pagination support in GET /posts and GET comments endpoints using limit and offset parameters for optimized response handling in large datasets
- Improved frontend performance by applying **code splitting and lazy loading** for non-critical components, and optimizing re-renders using React hooks like **useMemo** and **useCallback**.
- Assisted in deploying frontend and backend applications on a **VPS environment**, using Docker and Nginx to support production builds and application hosting.

## TECHNICAL SKILLS

**Frontend:** Next.js, React, JavaScript, TypeScript, HTML, CSS, Tailwind CSS, Redux, Zustand, Context API, Axios, Responsive Design, DOM Interactions, Cross Browser Compatibility

**Backend:** Node.js, Express.js, RESTful APIs, Basic authentication flows (JWT)

**Databases/ORM:** PostgreSQL, MongoDB, Prisma, Mongoose

**Tools:** Git, GitHub, Docker(basic usage), VS Code, Postman, Figma, Nginx

**Testing:** Jest and React Testing Library(basic unit and UI testing)

**Miscellaneous:** Agile Development, API Integration, Web Performance Optimization, Problem Solving

## PROJECTS

### Khambee.com

SaaS

- KhamBee is a SaaS platform designed for creators to establish and manage their online presence. It offers tools to build personal websites, showcase work, and engage with audiences. Developed the core features, including **user authentication, content management, payment gateways** for paid and non paid users.
- Built responsive dashboards and landing pages using **React.js / Next.js**, focusing on fast load times and smooth navigation.
- Developed backend features like course creation, student enrollment, and notifications, which helped top educators earn from their classes.

### InTeam

SaaS

- Created a completely responsive UI for browsing events, checking availability, and booking slots in real-time.
- Developed clean flows for booking, payments, ticket viewing, and integrating organizer dashboards.
- Improved user experience by optimizing navigation, reducing page transitions, and creating visually clear booking calendars.

### IntelliPDF - AI PDF Chat Platform

AI

- Developed a full-stack platform enabling users to upload and chat with PDFs using Gemini AI, increasing document comprehension efficiency by 65%.
- Achieved page speed optimization by 30% using lazy loading, route-based code splitting, and minimal dependency usage.
- Leveraged Firebase Firestore for storing chat history and maintaining persistent sessions across devices.
- Designed a custom chat interface with real-time messaging capabilities, boosting session duration by 35%.