# LOKENDRA TIWARI

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## Education

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| **Indian Institute of Information Technology Ranchi** | **2022-2026** |
| *B. Tech in **Computer Science and Engineering** (CGPA 8.44)* | *Ranchi, Jharkhand* |

## Projects

🔗 **EstateEase** | *React, Node, Express, MongoDb, Prisma-ORM,*                                       **Aug 2024**
- **Objective** : To develop a comprehensive and integrated solution for the real estate business using the MERN stack.
- Created and managed MongoDB collections: **user, post, postDetail, savedPost, chat,** and **message.**
- Developed Express API to handle **CRUD** operations for **property listings, user data, saved posts,** and **chat messages.**
- Implemented **JWT authentication** to secure protected routes.
- Built React components for **Home, List, Single Property, Login, Register, User Profile, Update User,** and **Add Post pages.** and implemented **protected routes** for user-specific features.
- Developed a **Real-Time Chat** system to enable communication between users.

🔗 **Virtual Threads** - v1 | *React, Node, Express, Three-Js, Framer Motion, Valtio*                       **July 2024**
- **Interactive 3D T-Shirt Customization** :Users can interact with a 3D model of a T-shirt, allowing them to visualize and customize the design in real-time using Three.js for rendering and Framer Motion for smooth animations.
- **Logo Upload from Local Storage** :Users can upload their own logos directly from their local storage to apply to the T-shirt, ensuring a personalized design experience.
- **AI-Powered Design Creation** :Integrate with an open-source AI API to allow users to generate unique T-shirt designs by simply providing a text prompt, leveraging the power of AI for creative design suggestions.
- **Custom Pattern Design Tools** :Provide intuitive tools for users to create and apply custom patterns to the T-shirt, enabling a fully customizable design process that caters to individual creativity and style.

🔗 **Air-FLY**-Backend | *Express, Node, MySql, Sequelize-ORM*                                         **March 2024**
- **Objective** :Developed a comprehensive **Flight Management System** integrating multiple advanced **Microservices**.
- **Data Management**: Implemented robust data models for cities, airports, airplanes, and flights using MySql and Sequelize.
- **Authentication Service**: Developed a secure authentication service utilizing JWT for token-based authentication.
- **Flight Search Service**:Developed a microservice for Flight searching, implementing **Search queries, Filter results** based on criteria (such as **date, destination**)
- **Ticker Booking Service**: Created a ticket booking system ensuring seamless transactions and integration with the flight management system.
- **Flight Reminder Service**: Built a reminder service using cron jobs to send scheduled email notifications via Nodemailer.
- **Scalability and Deployment**: Deployed the application on AWS EC2 instances, ensuring scalability and high availability.

## Technical Skills

**Languages**: C,C++,Javascript
**Developer Tools**: VS Code,Postman,GIT
**Technologies/Frameworks**: Linux, React,Redux,Express,Node,MongoDb,MySql,Tailwind-CSS

## Extracurricular

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| **House of Hackers** | **Apr 2023** |
| *House of Geeks, Technical Society* | *IIIT Ranchi* |

- ∗ Participated in 36-hours hackathon of **IIIT Ranchi**, getting a hands on experience in the realm of **Software Development** .

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| **Quasar** | **Apr 2024** |
| *House of Geeks, Technical Society* | *IIIT Ranchi* |

- ∗ Participated in 24-hours hackathon of creating a website to make children about environment by giving them interactive quizzes. .