

# Rupsa Das

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## WORK EXPERIENCE

### Tellis

MERN Full-Stack Lead

Remote, India

July 2025 – Aug 2025

#### • Frontend Lead

- \* Directed the development of scalable, user-friendly **React.js dashboards** with role-based access for Admins and Employees.
- \* Handled integration of frontend with backend APIs, ensuring smooth data flow and proper alignment of Admin and Employee interfaces.
- \* Improved user workflows for task tracking, leave requests, and approvals through intuitive UI/UX.

#### • Backend Lead

- \* Crafted core backend services in **Express.js and Node.js**, including **authentication, task management, leave management, employee creation, and task creation/assignment**.
- \* Built and maintained **separate role-based dashboards** for Admin and Employee by designing secure API endpoints and handling integration with existing frontend.
- \* Tested and validated APIs using **Postman and Jest**, ensuring robustness and reliability.
- \* Implemented containerization with **Docker**, streamlining deployment and development environments.
- \* Optimized database operations using **Prisma + PostgreSQL**, focusing on scalability and consistency.

## TECHNICAL SKILLS

**Technologies:** Next.js, React.js, Tailwind CSS, Node.js, Express.js, MongoDB, MySQL, PostgreSQL

**Languages:** Java, JavaScript, TypeScript, HTML5, CSS3

**Tools:** VS Code, Vercel, Postman, Git, GitHub

**Practices:** REST APIs, SDLC, Test-Driven Development, Responsive Design

**Coursework:** DBMS, Object Oriented Programming

## PROJECTS

### PlantDiaries - Plant-Themed Social Platform | MERN Stack

Nov 2024-Dec2024

- Created a plant-themed web app for users to share stories and images, focusing on an engaging and responsive UI.
- Implemented secure user authentication via **JWT**, ensuring **100% data privacy** and seamless access control.
- Enhanced performance with a responsive UI built using **React.js** and **Tailwind CSS**, leading to a **30% increase** in engagement and **20% faster load times**.
- Integrated **Cloudinary** for image uploads, achieving **100% successful upload rates** of high-quality photos.

### GreenThumb - Crop Recommendation System | React.js, FastAPI, Python, scikit-learn

Aug 2024 – June 2025

- Contributed to the **frontend and integration** of a crop recommendation system predicting **optimal crops** from soil and weather parameters.
- Designed a **responsive React.js frontend** for farmers and agri-tech users with **real-time recommendations**.
- Core ML models were **implemented by the team using scikit-learn and Python**, and integrated into a high-performance backend built with FastAPI.

### Employee Monitoring System | Node.js, Express.js, MongoDB, React.js

July 2025 – Aug 2025

- Built during **Tellis internship** to enable organizations to **track employee tasks, productivity, and time**.
- Developed **backend services in Node.js and Express.js**, including **authentication, task management, leave management, employee onboarding, and task assignment**.
- Directed the developed UI into **separate dashboards for Admin and Employees**, ensuring clear role-based accessibility and data flow.
- Created **interactive React.js dashboards** for real-time monitoring, reporting, and task visualization.
- Enhanced **team collaboration skills** by working on Git workflows, resolving merge conflicts, and debugging in a collaborative environment.

## EDUCATION

### Asansol Engineering College

B.Tech in Information Technology (7.7/10)

Asansol, India

2021 – 2025

### DAV Public School

Higher Secondary (67%)

Rupnarayanpur, India

2019 – 2021