

# Rupsa Das

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## PROFESSIONAL SUMMARY

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IT graduate with a strong interest in building clean, user-friendly web experiences. Passionate about development and always eager to grow, I enjoy turning ideas into practical, real-world solutions and exploring new opportunities in tech.

## EDUCATION

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### Asansol Engineering College

*B.Tech in Information Technology*

2021 – 2025

### DAV Public School

*Higher Secondary, Science*

2019 – 2021

## PROJECTS

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### BookHaven - Digital Bookstore Platform | *MERN Stack, MongoDB, Express.js, React.js, Node.js*

- Developed a secure bookstore platform enabling users to upload and download PDFs, using JWT for robust user authentication and MongoDB for scalable data storage.
- Designed a responsive, user-friendly interface with React.js and Tailwind CSS, ensuring seamless navigation across devices.
- Integrated efficient backend APIs for file handling and deployed the application on Vercel for public accessibility.

*Live Project Link*

### PlantDiaries - Plant-Themed Social Platform | *MERN Stack, React.js, Node.js, Express.js, MongoDB*

- Built a full-stack plant-themed platform with user accounts, plant story postings, and browsing features.
- Implemented secure authentication using JWT and protected route handling with Express middleware.
- Created a searchable plant knowledge section to help users explore care tips and plant-related content.
- Designed a clean, user-friendly interface with responsive layouts for an engaging user experience.

*Live Project Link*

### Fake News Detection API | *Python, Scikit-learn, NLTK, FastAPI, Docker*

- Built and deployed an intelligent system that detects whether a news article is fake or real using natural language processing and machine learning.
- Collected and preprocessed real-world news data for training a classification model.
- Applied NLP techniques such as lowercasing, punctuation removal, stopwords filtering, and TF-IDF vectorization to transform text data into numerical features.
- Dockerized the application and deployed it on Railway, making the API publicly accessible over the web.

*Live Project Link*

## TECHNICAL SKILLS

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**Languages:** Java, Javascript, Python(familiar)

**Frameworks:** React.js, Node.js, Express.js, FastAPI

**Databases:** MongoDB, MySQL

**Developer Tools:** Git, GitHub, Postman, Docker

**Coursework:** Database Management System, Object Oriented Programming

**Soft skills:** Self-learning, Adaptability, Teamwork and Collaboration.