

# DEVESH MISHRA

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## Education

**Dr. Ram Manohar Lohia Avadh university, Ayodhya**

*B.Tech in Computer Science & Engineering*

**2024 - 2020**

*7.7/10 CGPA*

## Work Experience

**Ezee Gro Ventures Pvt. Ltd.**

**Aug 2024 – Jan 2024**

*Python & ML Engg. Intern*

*Remote*

- Engineered a comprehensive AI-driven solution for precise table detection and data extraction from PDF files; reduced manual data entry time by 70% and improved data accuracy by 85%.
- Utilized **Table Transformer** and **YOLO v9** for accurate table structure recognition, enhancing the precision and efficiency of data extraction processes.
- Enhanced the accuracy and relevance of extracted information by implementing Retrieval-Augmented Generation (**RAG**) techniques using local language models (**Mistral, llama2**), vector database **FAISS**, and **Huggingface Embedding**.

## Projects

**Essentials:** An e-commerce platform.

[Link](#) [Source Code](#)

- Designed and developed an e-commerce platform using a robust tech stack including **React.js**, **Redux**, and **React-Router (v6)**, enabling seamless navigation and functionality.
- Implemented interactive features such as user authentication (custom API), product search with autocomplete, wishlist and cart management, and secure Razorpay payment integration, boosting user satisfaction by enhancing functionality and trust.
- Streamlined the UI/UX with pixel-perfect designs using custom CSS and React-Icons for a polished and intuitive user interface..
- Enhanced scalability by incorporating responsive design principles and **Tailwind CSS** for optimized development.

**VidStream:** YouTube-inspired platform.

[Link](#) [Source Code](#)

- Built and launched a YouTube-inspired video streaming platform using **React.js**, **Redux**, and **React-Router (v6)**, offering real-time content updates with YouTube API integration.
- Introduced key features such as trending video feeds, video search, subscriptions, shorts, playlists, and gaming content to enhance engagement.
- Crafted an engaging UI using **Material UI (MUI)** components and icons, ensuring seamless interaction across diverse devices.
- Integrated YouTube API for efficient data retrieval, enabling up-to-date content and an enriched user experience.

**ScholarSync:** A CRUD application.

[Link](#) [Source Code](#)

- Designed and developed a responsive student management dashboard using **React.js**, **ShadCN**, and **TailwindCSS**, ensuring alignment with the Figma design.
- Integrated **Redux Toolkit** and **RTK Query** for state management and seamless CRUD operations on student data stored in **Supabase**.
- Built RESTful APIs with **Express.js** and **Prisma**, deploying the backend on Render.com and the frontend on Netlify for reliable and secure access.
- Modularized the codebase with reusable components, enabling easy maintenance and scalability for future feature additions.

## Technical Skills

**Languages:** Python, C/C++, JavaScript, Typescript

**Backend:** Flask, Node.js, Express.js

**Frontend:** ReactJs, Redux, HTML, CSS, Framer Motion, TailwindCSS, Bootstrap, Material UI, Shadcn/ui

**Clouds & Databases:** AWS, PostgreSQL, MongoDB

**Web Technologies:** Docker, Socket.IO, Redis

**Developer Tools:** Postman, VS Code, GitHub

**Relevant Coursework:** Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System, Software Engineering, Machine Learning.