DEVESH MISHRA

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Education

Dr. Ram Manohar Lohia Avadh university, Ayodhya   **2020 - 2024**
B.Tech in Computer Science & Engineering   *7.8/10 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.
- Worked on Retrieval-Augmented Generation (**RAG**) techniques with local language models (**Mistral, llama2**), vector database **FAISS** and **Huggingface Embedding**, improving the accuracy and relevance of extracted information.

Projects

Netflix-GPT: Customized Netflix   **Link   Source Code**

- Employed a versatile tech stack including **React.js**, **Redux**, JavaScript, Material-UI, and **Firebase** for user authentication, to deliver a high-performance user experience.
- Implemented key features such as an interactive homepage, secure Login/Logout functionality using Firebase authentication, and seamless movie suggestions based on user preferences via **ChatGPT AI**.
- Demonstrated proficiency in UI design by utilizing **React-Icons** and custom CSS for a visually appealing and user-friendly interface.
- Enhanced user engagement with a real-time chat feature powered by ChatGPT AI, fostering meaningful interactions among community members.
- Technology Used: React, HTML, CSS, JavaScript, Generative AI and Tailwind CSS .

VidStream: YouTube-inspired platform   **Link   Source Code**

- Utilized a cutting-edge tech stack, including **React.JS**, **Redux**, **React-Router(v6)**, and the YouTube API to create a seamless user experience
- Designed and implemented a comprehensive set of features, encompassing video search, Debouncing, Caching, trending video display, and the ability to save videos for later viewing.
- Enhanced user engagement with interactive features such as subscriptions, shorts, music playlists, and gaming content.
- Demonstrated expertise in UI design by incorporating **React-Icon** and **MUI Icons**, resulting in an intuitive and visually appealing interface.
- YouTube API Integration: Real-time video data retrieval for up-to-date content availability.
- Technology Used: React, HTML, CSS, JavaScript, and Tailwind CSS.

Technical Skills

Languages: Python, C/C++, JavaScript, Typescript
Backend: Flask, Node.js, Express.js
Frontend: ReactJs, Redux, HTML, CSS, 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.