Rnjit Patil

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Education

Adarsh Institute of Technology and Research Centre, Vita   **2021 - 2024**
Diploma in Computer Science & Engineering   *8.3/10 CGPA*

Projects

CanIGo : University Student Leave Management System   [Source Code]

- Streamlined leave management for students and faculty within the university environment.
- Implemented features such as leave requests, approval/rejection, SMS alerts, and a complaint system.
- Roles and responsibilities defined for students, teachers, HODs, principal, and guards.
- Utilized technologies including HTML, CSS, Bootstrap (Frontend), PHP (Backend), MySQL (Database), **Twilio API (SMS Service)** .
- Outcome: Improved efficiency, reduced manual efforts, enhanced communication, and accountability.

AI Chatbot with RAG Modal   [Source Code]

- Developed an AI chatbot using **RAG (Retrieve, Aggregate, Generate) model architecture.**
- Trained the chatbot on data from Univocities' website to provide accurate and relevant responses.
- Implemented advanced **natural language processing** techniques for improved conversation flow and context understanding.
- Integrated the chatbot with web platforms for seamless user interaction.
- Utilized technologies including HTML, CSS, Bootstrap (Frontend), Python(flask) (Backend), **Lang-Chain LLM, ChromaDB(Database)** .

IntelliDB: State-of-the-Art Database Interface   [Source Code]

- Integrated cutting-edge AI technology to streamline data interaction.
- Utilized VANA AI's powerful natural language processing for simplifying querying, automating data analysis, and facilitating informed decision-making.
- Revolutionized the database user experience by combining advanced AI capabilities with traditional database functionality.
- Technologies: Python, Flask, HTML, CSS, JavaScript, VANA AI Modal

Technical Skills

Languages: Python, Java, C++, JavaScript
Backend: PHP, Python Flask
Frontend:TailwindCSS, HTML, CSS, Bootstrap
Clouds & Databases: MySQL, PostgreSQL, ChromaDB
Developer Tools: Selenium,Postman, VS Code, GitHub, Pycharm, Intellij idea,Google Colab

Honours and Awards

AITCON 2K24 State Level Conference   **March 2024**
Batch of 2024   *AITRC (ETC DEPT)*

- Got selected being in top **1.4% out of 500** students who Participated in PPT presentation competition, From mentorship under the 50+ universities
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Languages

- English
- Marathi
- Hindi