ROHIT SONI

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B.Com - Computer Application
P.M.B Gujarati Collage ,Indore
MCA (Pursuing)
Patel Collage of Science & Technology ,Indore

Experience

<u>Neerja Associates Pvt Ltd , Indore</u>

JUN 2023-May 2024

- **Python Developer**

  API Development :
    - Creating Efficient And Optimized API's

  Data Storage & Retrieval :
    - Handle data operations , such as storing and retrieving information , which was the main part in our application.

  Text Files Management:
    - Familiarity with file handling and data storage methods involving text-based formats.

 API Development And Data Management Using Text Files.

- **React JS Developer**
    - Integrating API's in React.js application, Facilitating data exchange between the Front-end and Back-end System
    - Present Data in a Visually Appealing and Informative Manner, Organizing and displaying data in tables, ensuring accuracy and clarity.
    - Created entities and pages in React Type Script Framework, Created custom features and functionalities.
    - Created web forms for developing the application using react type script and HTML controls. Managed deployment on GitHub . Developed a variety of UI elements, such as Card, dropdown list etc.

<u>Ypsilon It Solutions</u>

Python Frame Work (Django):
    - Experience With Web Application Development On Python Frame Work (Django)

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Projects

- **Biomedical Waste Management System**

  Designed and implemented a comprehensive Biomedical Waste Management System for CPCB, utilizing Python with FastAPI on the backend. The system ensures efficient registration of waste generators, implements a robust validation process, records the GPS location of waste collection vehicles through the "Track My Fleet" website, and stores waste bag records in both a text file and MongoDB database.

  FastAPI Backend Development:

    Developed RESTful APIs using FastAPI to facilitate the seamless registration of biomedical waste generators, including Common Biomedical Waste Treatment Facilities (CBWTF) and Healthcare Facilities (HCF). Implemented a user-friendly registration process with comprehensive validation, ensuring accurate and compliant data entry. Additionally, created registration endpoints to enable efficient communication between the backend and frontend components, contributing to a cohesive and integrated Biomedical Waste Management System for the Central Pollution Control Board (CPCB).

  GPS Location Tracking:

    Integrated the "Track My Fleet" website to capture real-time GPS locations of waste collection vehicles. Implemented automated processes to fetch and record GPS data, providing accurate tracking information for waste management operations.

  Waste Bag Record Keeping:

Utilized a MongoDB database to store detailed information about each waste bag, including type, quantity.

Data Storage in Text File:

Developed a mechanism to store waste bag records in a structured text file for easy retrieval and offline access . Implemented error-handling procedures to ensure data integrity in both the text file and the MongoDB database.

React.js Frontend Development:

Created user-friendly registration pages for CBWTF and HCF entities, optimizing the user experience. Implemented dynamic form validation for real-time feedback to users during the registration process. Designed and developed a dashboard to display daily waste bag reports , Utilized React components to present the information in an intuitive and visually appealing manner. Integrated charting libraries (e.g., Chart.js) to generate dynamic charts illustrating monthly summaries of waste bag data . Implemented features to allow users to filter and interact with the charts for better data analysis.

Technical skills

- **Programming languages:** C, C++, Python
- **Web technologies:** HTML, CSS, JavaScript, Tailwind
- **Database management:** Mogodb
- **Framework:** React , Django

Personal Detail

- **Father Name:** Dharmendra Soni
- **Mother Namer:** Hema Soni
- **Hobby:** Cricket