BOBBITI SAI ROHAN REDDY

IIIT Bhubaneswar, Odisha

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EDUCATION

International Institute of Information Technology, bhubaneswar   **2021 - 2025**
*B.Tech - Computer Science and Engineering - **CGPA** - 7.44*   *Bhubaneswar, Odisha*

Sri Chaitanya Junior College, Vijayawada   **2019 - 2021**
*Intermediate - Maths,Physics,Chemistry - **Percentage** - 97.1%*   *Vijayawada, Andhra Pradesh*

PROJECTS

MediGuide ⧉ | Django, Django Rest Framework, React, Machine Learning
- Engineered a sophisticated disease prediction model utilizing machine learning and natural language processing, achieving an impressive accuracy rate of 81.23% through logistic regression and analyzing over 10,000 data points.
- Architected a comprehensive user profile management system with full CRUD functionalities, leveraging robust APIs for seamless updates based on user preferences and implementing JWT authentication for over 500 users to ensure secure registration and login processes.
- Integrated advanced EasyOCR technology to accurately scan and interpret labels from over 1,000 medication samples, providing users with detailed information on medicinal uses.

Books Recommender ⧉ | HTML, CSS, Django, Natural Language Processing
- Created an intelligent machine learning recommendation system designed for avid readers, analyzing book content to deliver a curated list of the top 10 personalized suggestions.
- Leveraged the Django framework to provide a solid, intuitive interface, enabling smooth navigation and effective book recommendations.
- Processed and analyzed textual data from 5,000+ books using NLTK, improving the relevance of personalized recommendations.

To-Do-Items ⧉ | HTML, CSS, JavaScript, Django, Django Rest Framework
- Developed a robust authentication system using Django's built-in features to securely manage registration, login, and logout for over 500 users, incorporating session management and CSRF protection.
- Designed and built a dynamic task management application that supports the creation, update, and deletion of tasks for over 200 users, integrating drag-and-drop functionality with SortableJS to enable intuitive reordering of up to 50 tasks per user.
- Achieved a responsive and user-friendly interface using Django templates and custom CSS, delivering real-time updates for incomplete tasks and implementing search and filtering capabilities, enhancing navigation efficiency for over 200 tasks.

TECHNICAL SKILLS

Languages: C++, SQL, Python.
Technologies/Frameworks: HTML, CSS, JavaScript, Django, Django Rest Framework, Machine Learning, NumPy, Pandas, NLP, Scikit-learn
Developer Tools: VS Code, Postman, Jupyter Notebook, GitHub.
Course Work: DSA, DBMS, Operating Systems, Computer Networks, Object Oriented Programming.

CERTIFICATIONS

- Python Django - Complete Course - Udemy
- Machine Learning A-Z : AI, Python - Udemy

ACHIEVEMENTS

- Solved 200+ problems in Leetcode, Codechef, Geeksforgeeks.
- Selected as a Contributor in GirlScript Summer of Code'24.
- Participated and completed assigned tasks in Hacktoberfest 2023.