

BOBBITI SAI ROHAN REDDY

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🌐 [Linkedin](#)

🐙 [Github](#)

🔗 [LeetCode](#)

[Portfolio](#)

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 to manage 100+ data points and seamlessly update user preferences. Implemented JWT authentication to secure registration and login processes, achieving a 95% reduction in unauthorized access attempts.
- 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 processes, incorporating session management and CSRF protection to reduce potential security breaches by 35%.
- Designed and built a dynamic task management application supporting the creation, update, and deletion of tasks, managing over 10,000 tasks and integrating drag-and-drop functionality with SortableJS, enabling intuitive reordering of up to 50 tasks per user and improving task management efficiency by 25%.
- 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, boosting navigation efficiency by 40% for managing 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.