Yasawanth Babu Patnam

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EDUCATION

Siddharth Institute of Engineering and Technology   Sep 2022 - Present
Btech - CSE with specialization in AI & ML   **7.4 CGPA**

PROJECTS

Weather App
Python, Django, HTML, CSS, Restful API (GitHub) (Live Site)
- Developed a responsive weather web application using Python, Django, HTML, CSS, and JavaScript, with a clean and minimal UI design.
- Integrated OpenWeatherMap RESTful API to fetch real-time weather data based on city name or ZIP code input.
- Utilized requests library in Python to send HTTP GET requests to the API and parse JSON responses.
- Implemented input validation and error handling to manage invalid city names, API failures, and empty fields.

Flask_Backend_API
Python, Flask, SQLAlchemy (GitHub) (Live Site)
- Designed and implemented a RESTful API using Flask and SQLAlchemy, providing full CRUD functionality for comment management with SQLite database integration.
- Validated API using Postman, enabling easy manual testing alongside automated test pipelines.
- Followed REST principles and implemented robust error handling, returning clear HTTP status codes and JSON responses.
- Integrated automated testing with PyTest, achieving full endpoint coverage for create, read, update, and delete operations.

Lost & Found Portal
Python, Django, HTML, CSS, SQL (GitHub)
- Developed a full-stack Lost and Found Portal using Python Django, allowing users to report and browse lost/found items through a clean, responsive web interface.
- Integrated custom SQL queries alongside Django ORM to fetch, filter, and match item data directly from the database for better control and optimized logic.
- Built dynamic form-based views for both "Lost" and "Found" items using Django's Model Form, and saved records into the database with validation
- Enabled real-time matching logic: when a lost item is submitted, the app queries for similar found items based on category and location

EXPERIENCE

Think-Champ Pvt Ltd   Jan 2024 - Feb 2024
Front-End Development Intern   *Tirupati*
- Developed responsive, cross-browser-compatible web pages using HTML, CSS, and JavaScript, resulting in a 25% improvement in user engagement through faster load times and cleaner UI.
- Integrated RESTful APIs to dynamically fetch and render data in real-time, optimizing data flow and reducing API data retrieval time by ~30%.

SKILLS

Expertise: Full-Stack Web Development, Software Development
Languages: Python, SQL, JavaScript, HTML5, CSS3
Frameworks: Django, Flask, React.js, Python, Tailwind CSS, Bootstrap CSS
Tools: Git, GitHub, VS Code, PyCharm, Postman, Docker, Render

CERTIFICATIONS & ACHIEVEMENTS

- The Complete Python Pro Bootcamp (Link)
- The Complete Django Web Development Course (Link)
- Intro to SQL (Link)
- The Modern JavaScript for Beginners (Link)