

Ashish Kumar

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Education

Program	Institution/Board	%/CGPA	Year
B.Tech. (Information Technology)	Lakshmi Narain College of Technology	8/10	2021 - 2025
Senior Secondary Education	K.N. Memo Academy,Asarganj	87%	2018 - 2020
Secondary Education	Saraswati Vidya Mandir,Jamalpur	91%	2016 - 2018

Projects

1. EcoWatch App

-Tech Used - Leaflet Api, Django Authentication, All Auth, CKEditor, ai21 Api, Django-filters, PostgreSQL

- Developed an app to locate and document waste sites using Leaflet API for tagging and video uploads.

- Integrated authentication features to restrict writing and updating permissions to certain members only.in

integrated blogs app

- Implemented a feature to filter waste sites by city name and navigate directly to them.

- Created an interactive blog section with CKEditor, AI21 for title generation

- Implemented paging, ordering, filtering, pagination and concept of views for listing in descending order

- Used class-based views to design and structure the app efficiently, empowering users to report and engage with

local environmental issues effectively.

2. Student Rental Homes

-Tech Used - Leaflet Api, Django Authentication, All Auth, Django-filters, PostgreSQL,Heroku, Render, cloudflare, porkbun

- Students coming to new cities for studies find difficulty to get rooms at affordable prices and have to roam around the city unnecessarily. This web app is just a try to solve their problems. I've used online templates and cards to create the UI of this website. It has django all auth authentication system integrated which enables users to login, signup, forget password, social login(like google, facebook login) and signup, email verification etc.And It enables the owners to add their houses and rooms and update the status of the room. I've hosted this website along with database on Heroku, Render and aws using the fier tier services for now.

2. Billing System (REST API)

-Technologies Used Python, Django, Django REST Framework, PostgreSQL, Swagger

Developed a billing system to streamline invoicing and payment processes. Implemented customer, product, and bill management features, including CRUD operations and data validation. Designed RESTful APIs for seamless integration and efficient data handling. Improved performance and ensured system reliability through testing and debugging. Enhanced back-end development skills and experience working with relational databases.

3. Shortest Path Metro System using Dijkstra's Algorithm in Django

- Designed and implemented a web application utilizing Django framework to find the shortest path between two stations in a metro system.

- Integrated Dijkstra's algorithm in the backend to calculate the shortest path.

4. Page Replacement Algorithm Visualizer in Django

- Created a web-based visualizer for page replacement algorithms using Django.

- Implemented simulation of page replacement algorithms where users can input the number of frames and observe the algorithm's behavior.

- Provided an interactive interface for users to input page numbers and visualize page replacement processes.

5. MST Generator using Prim's Algorithm in Django

- Developed a Django application to generate Minimum Spanning Trees (MST) using Prim's algorithm.

- Allowed users to input nodes with weights, and the application generated the MST accordingly.

- Implemented an intuitive interface for users to interact with and visualize the generated MST.

Technical Skills

○ Programming Language: C++, Python

○ Database System: MySQL, Postgresql

○ Framework: Django

○ Web Technology: HTML, CSS, python, swagger,Django

○ Operating System: Windows, Linux

○ Tools: VS Code, Git, Github , Postman, Insomnia, Heroku, Render, AWS(Just Tried)

Honors And Awards

50 Days Badge 2023 - Dec 2023 - LeetCode

50 Days Badge 2024 - LeetCode

350 questions - Leetcode