

SAURABH SINGH

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PROFILE SUMMARY

Dedicated full-stack developer with a solid foundation in backend and frontend technologies. Experienced in creating responsive interfaces, robust backend systems, and seamless API integrations.

EDUCATION

Central University of Haryana	July 2023 - June 2025
Master of Computer Applications	Haryana, India
Bareilly College, Bareilly	July 2019 – June 2022
Bachelor of Computer Applications	Uttar Pradesh, India

PROJECTS

Major Project: TrashTrack – AI-Powered Smart Waste Management System [[Link](#)]

Technologies Used: Python, Django, Machine Learning, JavaScript, HTML, CSS, SQLite, Leaflet.js

Project Overview:

Developed an AI-powered smart waste management system that classifies waste using ML models and monitors smart-bin fill levels. The project includes a web platform for tracking bin locations, automated notifications for full bins, and a purchasing gateway for companies to buy categorized waste.

Key Features:

- Developed an ML model for waste classification to detect and categorize waste types.
- Implemented smart bin monitoring with sensors to track fill levels and send real-time updates.
- Designed an interactive web dashboard using Leaflet.js to visualize bin locations and waste status.
- Integrated an automated alert system to notify when bins reach capacity.

Todo App [[Link](#)]

Technologies Used: Python, Django, Bootstrap, JavaScript, HTML, CSS, SQLite.

Project Overview:

The Todo App is a web-based task management application built using Django, Bootstrap, and SQLite. It allows users to efficiently add, update, and delete daily tasks through a simple and intuitive interface. The application focuses on productivity and ensures smooth task management with a clean and responsive UI.

Key Features:

- Developed a full CRUD-based task management system using Django (Create, Read, Update, Delete).
- Designed a clean, responsive interface using Bootstrap for a smooth user experience across devices.
- Organized the project using Django's MVT architecture for maintainability and scalability.
- Added functionality to mark tasks as completed and visually distinguish completed tasks.

TECHNICAL SKILLS

Programming Languages: Python, C++, JavaScript.

Web Development: Django, React, HTML, CSS, Bootstrap.

Databases & APIs: MySQL, Django Rest Framework, FastAPI, REST APIs

Coursework: Computer Networking, Operating Systems, OOPs, Relational Database.

EXPERIENCE

Web Development Intern	08/2024 – 09/2024 [Remote]
Prodigy Infotech Private Limited	
<ul style="list-style-type: none">- Gained hands-on experience in web development.- Learned and applied HTML, CSS, JavaScript, and API integration.	

ACHIEVEMENTS

- Secured 2nd place in the College Technical Quiz Competition.
- Coding Club Coordinator (Central University of Haryana)