MD. TASNIMUR RAHMAN SHAKIR

Town Kalikapur, Patuakhali

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TECHNICAL SKILLS

Languages: C, C++, Java, JavaScript, Python, PHP, SQL
Technologies/Frameworks: HTML5, CSS3, ReactJS, Django, MySql, Git and GitHub

PROJECTS

Smart Waste Solution ⬈ | Django, REST API, JavaScript, MySQL   **April-2025**

- Smart Waste Solution is a scalable web platform designed for efficient municipal waste management using Django and Django REST Framework.
- Features include user role-based access (admin, collector), schedule management, bin and area monitoring, emergency task assignment, and real-time notifications.
- Integrated REST APIs for robust backend communication and used PostgreSQL for reliable data persistence. Authenticated actions via JWT

medScan: Heart Disease Prediction ⬈ | Django, FAST API, React August-2025

- Developed an AI-powered diagnostic platform for early-stage heart disease prediction using chest X-ray images and deep learning.
- Implemented ResNet-18 with cardiothoracic (CT) ratio computation to detect cardiomegaly, a key indicator of heart disease.
- Built a scalable backend using Django and FastAPI supporting single-image prediction and batch image evaluation with accuracy reports.
- Designed an interactive React frontend to visualize classification reports, confusion matrix, ROC curves, and individual predictions.

EDUCATION

Green University of Bangladesh   **2022 – running**
*Computer Science and Engineering - **CGPA** - **3.62 / 4.0***   *Purbachal American City, Kanchon 1460*

Ta'mirul Millat Kamil Madrasah, Tongi   **2018-2020**
*Alim - **GPA** - **4.83/5.00***   *Gazipura, Earshad Nagar, Tongi, Gazipur-1712*

CERTIFICATIONS

- Python (Django)

LANGUAGES

English , Bangla