

MD. TASNIMUR RAHMAN SHAKIR

Town Kalikapur, Patuakhali

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CAREER OBJECTIVE

Enthusiastic Computer Science student with strong skills in React, Django, and FastAPI. Passionate about building scalable web applications and applying AI in healthcare. Seeking an internship to apply technical skills and contribute to impactful projects while learning from industry experts.

TECHNICAL SKILLS

Programming: C, C++, Java, Python, JavaScript, SQL

Web Development: HTML5, CSS3, ReactJS, Django

Database & Tools: MySQL, Git, GitHub

Others: REST API, JWT Authentication

PROJECTS

Smart Waste Solution | Django, REST API, JavaScript, MySQL

April 2025

- Developed a scalable web platform for efficient municipal waste management using Django REST Framework.
- Implemented user role-based access (admin, collector), schedule management, bin monitoring, emergency task assignment, and real-time notifications.
- Integrated REST APIs and PostgreSQL for robust data storage and JWT-based authentication.

medScan: Heart Disease Prediction | Django, FastAPI, React

August 2025

- Developed an AI-powered diagnostic platform for early-stage heart disease detection from chest X-rays using ResNet-18 and cardiothoracic ratio computation.
- Built scalable backend with Django and FastAPI supporting batch and single-image predictions with accuracy reports.
- Designed interactive React frontend to visualize classification reports, confusion matrices, ROC curves, and individual predictions.
- Live Demo: <https://heart-disease-prediction-peach.vercel.app/>

EDUCATION

Green University of Bangladesh

2022 – Present

B.Sc. in 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, Tongi, Gazipur-1712

CERTIFICATIONS

Python (Django) Certificate

LANGUAGES

English, Bangla

SOFT SKILLS & ACTIVITIES

Problem Solving, Teamwork, Adaptability, Communication
University projects