



Md. Shahriar Hosen

Software Engineer

✉ cse.shahriar.hosen@gmail.com ☎ 01710835653

📍 Dhaka, Bangladesh 🗓 01/01/1993 🌐 cshahriar 🔄 cshahriar

📊 cshahriar 📄 cse_shahriar

👤 PROFILE

Full Stack Developer with 4+ years of experience building scalable web applications using Python, Django, Django REST Framework, and JavaScript. Strong in designing end-to-end systems, optimizing monolithic architectures, debugging complex issues, and modernizing legacy codebases. Experienced in deploying applications on AWS and Linux (CentOS) using Nginx, uWSGI, Docker, and Git. Passionate about building reliable, maintainable, and high-performance systems.

📁 EXPERIENCE

03/2020 – present
Dhaka, Bangladesh

Tiger Park Ltd
Software Engineer

- Developed large-scale education systems for BNMC and BKSP, including admission, assessment, certification, and automated workflows.
- Designed and implemented the **Prime Minister's Fellowship Management System**, including eligibility scoring, shortlisting workflow, disbursement modules, and advanced PDF/Excel reporting.
- Led development of **My Rajshahi**, automating trade license, holding tax, water/gas connections, contractor renewal, and Sonali Bank payment gateway integration.
- Built **Aquawatch**, a dynamic survey engine with form/section/entity creation and real-time reporting.
- Developed the **DPHE PEDP4 Project Management System**, covering DPP, tenders, contracts, IBAS-based billing, and budget workflow automation.
- Improved multiple operational systems including **Vehicle Management**, **Fish Market Operations**, and **Water Billing Management** with subscription packages, penalty automation, and due tracking.
- Built the **DPHE Contractor Enlistment System** with multi-step registration, category selection, license renewal, dashboards, and PDF/Excel export.
- Automated complex workflows using Python scripting (CSV/Excel import, scoring algorithms, data migration).
- Specialized in debugging, refactoring, and scaling large monolithic Django applications to improve performance and reliability.

SKILLS

Frontend

HTML5, CSS3, Bootstrap, JavaScript, jQuery, Ajax, Chart.js, ApexChart

Database

PostgreSQL, MySQL

Additional Skills

FastAPI (Basic), Celery (Basic), React (Basic)

Backend

Python, Django, Django REST Framework, Cron Jobs, Payment Gateway Integration (Ecpay, Sonali Bank), BulkSMSBD, reCAPTCHA, SMTP EMAIL

Server & DevOps

Git, AWS, Docker, Linux (Ubuntu/CentOS), Nginx, uWSGI, Gunicorn & CI/CD with GitHub Actions

Soft Skills

Communication, Teamwork, Adaptability, Eagerness to Learn

PROJECTS

BKSP Educational & Sports System

- Sports event application, medical & sports assessment, result tabulation, and payment gateway integration.

PM Fellowship Bangladesh

- Eligibility scoring (CGPA/IELTS/university), shortlisting workflow, disbursement management, dynamic PDF/Excel reporting.

BNMC Educational System

Nursing Education Board Management System

- Merit-based admission, dynamic data import, course migration, licensing, certification, and approval workflow.

DPHE PEDP4 – Project Management System

- DPP, tender management, IBAS code-wise billing, budget tracking, and dynamic form builder.

MyRajshahi – City Corporation Services Automation

- Trade license, holding tax, water/gas connections, contractor services, Sonali Bank gateway integration.

Vehicle Management System

- Managed vehicle allocation, maintenance billing, tax/fitness tracking, insurance, driver assignment, and procurement workflows.

Water Billing Management System

- Subscription-based billing, due/penalty automation, package management, and customer tracking.

DPHE Contractor Enlistment Management System

- Multi-step registration, license renewal, role-based dashboards, and exportable reports.

EDUCATION

Dhaka, Bangladesh

BSC in Computer Science & Engineering

Manarat International University

Jan 2021 – Jun 2025 | CGPA: 3.33

COURSES / CERTIFICATIONS

03/2024 – 09/2024

CS Fundamentals With Phitron: Spring 2024, Batch-5

Phitron.io

Learn Data Structures, Algorithms, and solve 200+ coding problems.

LANGUAGES

Bangla



English

