

Md. Redwan Ul Islam Rashik

Backend-Focused CSE Graduate

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PROFILE

CSE graduate from North South University with a backend-focused foundation in Python, Django, REST APIs, and relational databases. Project experience includes a live Django/PostgreSQL esports platform, academic medical AI research, and PHP/MySQL coursework systems. Strongest in data modelling, service-layer design, access-controlled workflows, and shipping maintainable software.

TECHNICAL SKILLS

Languages: Python (primary), JavaScript, PHP, Java, C/C++, SQL

Backend & APIs: Django, Django REST Framework, Celery, Flask, REST API design

Databases & Caching: PostgreSQL, MySQL, Redis, SQLite

Frontend & UI: HTML, CSS, Bootstrap, Tailwind CSS, Django Templates, Next.js, React

ML / Data: TensorFlow, Keras, PyTorch, Hugging Face Transformers, OpenCV, Pandas, NumPy, scikit-learn

Tools & Platforms: Git, GitHub, Docker (basics), Render, Vercel, Cloudinary

PROJECT EXPERIENCE

DeltaCrown — Esports Ecosystem Platform | *Sole Engineer*

Python, Django, DRF, PostgreSQL, Redis, Celery, Tailwind

deltacrown.xyz · github.com/rkRashik/DeltaCrown

- Built and deployed a live esports ecosystem on Django/PostgreSQL — player profiles, team discovery and management, tournament participation, platform rankings, community and reward surfaces, and operator administration with configurable support for multiple game titles.
- Designed a modular backend with service-layer business logic, DRF endpoints, relational models with soft deletes and audit trails, Redis caching, and deployment on Render with Cloudinary asset storage.
- Implemented tournament operations across six bracket formats with bracket and result workflows, verification and dispute handling, Team HQ workflows, notifications, and action-scoped RBAC for admin and operator surfaces.
- Built a points and reward ledger for Crown Points and DeltaCoin (internal reward currency) with append-only transaction records, idempotency keys, balance reconciliation, and audit-friendly reward workflows.

Lung Cancer Histopathology Classification

Python, TensorFlow, Keras, OpenCV

github.com/rkRashik/Lung-Cancer-Classification

- Compared four CNN architectures on the LC25000 dataset (~21,000 images, 3 classes) under identical preprocessing and split: Modified AlexNet and Modified CNN from scratch, EfficientNetB4 and DenseNet-121 via ImageNet transfer learning.
- Modified AlexNet led at 99.8% test accuracy, followed by EfficientNetB4 (99.7%), DenseNet-121 (99.6%), and Modified CNN (96.7%). Per-class metrics, confusion matrices, and ROC curves reported.

Heart Disease Classification from Medical Reports (NLP)

Python, PyTorch, Hugging Face Transformers

github.com/rkRashik/Heart-Disease-NLP-Classification

- Compared DistilBERT, DistilRoBERTa, and BETO (Spanish BERT, cross-lingual) for heart disease severity classification from echocardiogram report text (679 samples, 4 classes) under identical preprocessing and stratified split.
- DistilRoBERTa led at 93.38%; DistilBERT and BETO tied at 91.91%.

Smart Waste Management System | CSE327, North South University

PHP, MySQL, Bootstrap, Apache

github.com/rkRashik/smart-waste-management-website

- Built a subscription-gated waste management web application with user and admin surfaces sharing a 9-table relational MySQL schema — six user workflows gated behind three subscription tiers.
- Designed the admin console with dashboard metrics, pickup management, notification dispatch, and feedback review over the same data models.

EDUCATION

Bachelor of Science in Computer Science & Engineering

North South University, Dhaka

2019 – 2025 · CGPA: 2.80 / 4.00 (as per NSU grading policy)

Higher Secondary Certificate (HSC)

Islamia Government College, Sirajganj · 2018 · GPA: 4.17 / 5.00

Secondary School Certificate (SSC)

Sabuj Kanan School and College, Sirajganj · 2016 · GPA: 4.78 / 5.00

EXPERIENCE

Senior Member — NSU ACM Student Chapter

North South University · 2020 – 2024

- Volunteered in tech awareness events including “Hour of Code,” engaging diverse student groups.
- Mentored juniors on foundational programming and university coursework.
- Contributed to organizing seminars, workshops, and coding competitions.

LANGUAGES

Bengali — Native

English — Fluent