

Redwan Ahmed Utsab

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EDUCATION

UNITED INTERNATIONAL UNIVERSITY

BSC IN COMPUTER SCIENCE & ENGINEERING

CGPA: 3.70 / 4.00

United City, Madani Ave, Dhaka.

LINKS

Github:// [redwanahmedutsab](#)

LinkedIn:// [redwanahmedutsab](#)

Leetcode:// [redwanahmedutsab](#)

Codeforces:// [redwanahmedutsab](#)

COURSEWORK

- Machine Learning
- Operating System
- Object Oriented Programming
- Computer Networks
- Database Management System
- Software Engineering
- Project Management
- Data Structures and Algorithms
- System Analysis and Design

SKILLS

PROGRAMMING

Languages:

- Advance: C++, Java
- Intermediate: Python, JavaScript
- Novice: Dart

Tools:

Git • Github • Postman

Frameworks & Development Tools:

Django • Flask • React Native • React JS

Database:

MySQL • PostgreSQL • Firebase

Competitive Programming:

- Regular participant in coding contests on LeetCode and Codeforces
- Solved 240+ problems on LeetCode and 165+ on Codeforces

LANGUAGES

ENGLISH | PROFICIENT

BANGLA | NATIVE SPEAKER

IELTS | BAND SCORE: 6.5

PROJECTS

SMARTUIU - UNIVERSITY MANAGEMENT SYSTEM

ROLE: SOFTWARE & DB ENGINEER

TOOLS: REACT JS, PYTHON, DJANGO, MYSQL, GIT, GITHUB

- Developed a university management system for student, faculty, and admin management.
- Implemented role-based access control, optimized database schemas, and integrated notification modules.
- Achieved a 30% reduction in database query time through optimized indexing and query refactoring.

UIU JOB BANK

ROLE: SOFTWARE & DB ENGINEER

TOOLS: REACT JS, PYTHON, DJANGO, MYSQL, REST API, GIT, GITHUB

- Built a job portal for students to explore internship and full-time opportunities.
- Integrated REST APIs for job search and application submission.
- Designed an interactive dashboard for employers and job seekers.

THESIS & INTERN FINDER APP

ROLE: FULL STACK DEV

TOOLS: REACTNATIVE, JAVASCRIPT, NESTJS, POSTGRESQL, REST API

- Developed a mobile app for students to find thesis supervisors and internship opportunities.
- Implemented real-time notifications, search filters, and chat functionalities.
- Enhanced UX with seamless navigation and optimized mobile performance.

EXPERIENCE

UNITED INTERNATIONAL UNIVERSITY

UNDERGRADUATE TEACHING ASSISTANT

Feb 2025 - Present | United International University, Dhaka

- Assist in lectures and labs (DSA, OOP)
- Evaluate assessments, guide students in coding/debugging
- Selected based on academic merit

AWARDS

2023 1st/72

DBMS Competition, UIU

2024 1st Runner-Up/56

System Analysis & Design, UIU

2025 2nd Runner-Up/29

Thesis & Project Competition, UIU

2024 1st/50+

Pathao Quiz Competition, UIU

RESEARCH

OPTIMIZED TRANSFORMER ARCHITECTURE | THESIS | SUPERVISOR: DR. MD. NURUL HUDA (HEAD OF CSE DEPT, UIU).

Conducting research focused on optimizing transformer models for long-sequence text processing by reducing architectural complexity and enhancing retrieval efficiency.

TEXT-TO-IMAGE GENERATION | NLP LAB, UIU | SUPERVISOR: NAHID HOSSAIN (COURSE COORDINATOR OF BSCSE, DEPT. OF CSE, UIU).

Investigating advanced deep learning models for generating images from textual descriptions as part of a confidential research initiative in natural language processing.