

Rakib Hossain

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Professional Summary

I am a dedicated and ambitious Computer Science and Engineering student currently pursuing my BSc at United International University (UIU). I have a strong interest in machine learning and strive to deepen my understanding through practical projects and continuous learning. I aim to grow as a developer by contributing to real-world applications and solving meaningful problems using intelligent systems.

Education

Bachelor of Science in Computer Science and Engineering (BScSE)

United International University (UIU), Dhaka, Bangladesh

2023 – Present | Current CGPA: 3.72 / 4.00

Highlights:

- Contributed to multiple group projects using PHP, MySQL, HTML, and CSS in DBMS coursework
- Worked as a key team member in the Electronics Lab Project: Smart Pet Feeder
- Participated in building a fully functional Travel Management System for a course project

Projects

Travel Management System

A dynamic web application that allows users to buy travel tickets and enables administrators to manage packages, bookings, and users through a dedicated admin panel.

Tech Used: PHP, MySQL, HTML, CSS

Role: Backend Developer

- Developed backend features including ticket purchasing, data validation, and database integration
- Created secure admin-side logic for travel package management and booking tracking

Smart Pet Feeder (Electronics Lab Project)

A smart IoT-based automated pet feeding system that also monitors pet health indicators such as temperature, humidity, and pulse rate.

Tech Used: Arduino Uno, ESP32, Servo Motor, DS3231 RTC, HC-SR04 Ultrasonic Sensor, Load Cell, DHT11, Heart Rate Sensor

Role: Team Member

- Designed the embedded system to control feeding times and food levels

- Integrated multiple sensors for real-time health and environment monitoring
- Assisted in coding and debugging microcontroller logic using Arduino IDE

Skills

Programming Languages: C, C++, Java, Python, PHP

Web Development: HTML

Database: MySQL

Tools & IDEs: Visual Studio Code, Code::Blocks, IntelliJ IDEA, Notion

Other Tools: Microsoft Office Suite, Google Docs, Google Sheets

Languages

Bangla – Native

English – Intermediate / Good proficiency

Interests

Travelling

Human interaction

Reading and learning

Social service