



# Rajaul Uddin

Software Engineer

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## Summary

Final-year BSc CSIT student with a strong interest in Oracle database administration. Learning SQL, PL/SQL, and database management fundamentals while exploring best practices in performance tuning and security. Passionate about problem-solving and eager to apply skills in real-world scenarios.

## Projects

Database Management Projects

Feb 2025 - Present

- Employee Management System – Designed a database to store and manage employee records using SQL and PL/SQL.
- Student Enrollment System – Created a student database with optimized queries for efficient data retrieval.
- Database Backup & Recovery – Practiced database backup and restoration using Oracle tools.
- User Access Control – Managed user roles and permissions to ensure data security.
- Database Health Monitoring – Developed a basic script to track database performance and alerts.

YapBoard – AI-Powered Whiteboard

September 2024 - December 2024

Backend Development & Model Training

🔗 [Github](#)

- Integrated U<sup>2</sup>-Net for real-time background removal.
- Used PostgreSQL + SQLAlchemy for database management.
- Implemented JWT authentication and API routes.
- Built with FastAPI for scalability.

Diabetes Prediction- Django and ML

April 2024 - May 2024

🔗 [Github](#)

- Implemented a Machine Learning-based project using Python and Django.
- Trained a model using an SVM algorithm to predict diabetic conditions based on input data.

E-Commerce API using Django Rest Framework

March 2024 - April 2024

Backend Development

🔗 [Github](#)

- Developed an E-commerce API that supports retrieving products, querying products, uploading product images, and categorizing products.

## Education

Trinity Int'l College, Tribhuwan University

2021- Present

Object Oriented Programming, Computer Network, Advance Database, Operating System, Calculus, BSc. CSIT  
Software Engineering, DSA, Artificial Intelligence

🔗 [College Website](#)

## Skills

### Programming & Tools

Python, SQL, PL/SQL, C, C++, Torch, Tensorflow

### Web Development

HTML, CSS, JS

### Operating System

Microsoft Windows, Linux, MacOS

### Networking

Basic configuration of routers, switches, Server