

MD. SADIKUR RAHMAN MRIDUL

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🌐 [Portfolio](#)

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SUMMARY

Software Engineering student skilled in Python with a keen interest in cybersecurity and software development. Enthusiastic about problem-solving, secure system design, and continuous learning. Dedicated to building strong technical skills and contributing to innovative technology solutions.

SKILLS

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

Problem Solving ([Beecrowd](#))

PROJECTS

Inventory Management System([Link](#))

- Developed a web-based Inventory Management System using Python and Streamlit for efficient stock tracking.
- Implemented product management features including Add Product, Stock In, Stock Out, and Inventory View.
- Used CSV file storage for persistent inventory data management without requiring a database.
- Added inventory validation to prevent duplicate products and invalid stock transactions.
- Integrated low-stock alerts to notify users when product quantities fall below a predefined threshold.
- Technologies: Python, Streamlit, CSV.

Weather Application([Link](#))

- Developed a Python-based Weather Application that retrieves real-time weather information using the OpenWeatherMap API.
- Integrated REST API requests using the `requests` library to fetch live weather data for user-specified cities.
- Processed and parsed JSON responses to display weather conditions, temperature, humidity, and feels-like temperature.
- Implemented input validation and error handling for invalid city names and unavailable weather data.
- Designed a user-friendly command-line interface for quick and efficient weather lookup.
- Technologies: Python, Requests Library, OpenWeatherMap API, JSON.

Expense Tracker System ([Link](#))

- Developed a command-line Expense Tracker application using Python for managing personal expenses.
- Implemented features to add expenses, view expense history, and calculate total spending.
- Utilized CSV file storage for persistent expense data management without requiring a database.
- Automated loading of expense records at program startup and saving updates after each transaction.
- Integrated date tracking using Python's `datetime` module to record expenses with timestamps.
- Technologies: Python, CSV, Datetime.

EDUCATION

B.Sc. in Software Engineering
Daffodil International University (DIU)

June 2023 – Present

CERTIFICATIONS

- Mastering Python (Ostad)
- Revisiting OOP Concepts (CodeSignal)