

ROCKY DEWAN

 : <https://www.linkedin.com/in/rockydewan250/>
 : <https://rocky-dewan.github.io/Rocky-Dewan-s-Portfolio/>


 : <https://github.com/Rocky-Dewan>
 : dewanrocky250@gmail.com

ML/AI ENGINEER (3+ year) - SOFTWARE DEVELOPER (2+ year) - WEB DEVELOPER (2+ year)

ACADEMIC CREDENTIAL

Bachelor of Science in Computer Science and Engineering (Undergraduate, Final Year)

2022 - 2026

 Bangladesh University of Business and Technology, Dhaka









TECHNICAL SKILLS

- **Language:** C++, Python, Java, JavaScript, HTML, CSS
- **Data Management:** MongoDB, MySQL
- **Machine Learning & AI:** Scikit-learn, PyTorch, TensorFlow, Keras, CNNs, LLMs, NLP, Pandas, NumPy
- **Visualization & Apps:** Django, Flask, React, Matplotlib, Seaborn, Plotly, Streamlit, FastAPI
- **DevOps & Cloud:** Git, Docker, AWS, CI/CD, Linux, Virtual Machines

PROFESSIONAL EXPERIENCE

- AI-Powered Software Engineer (Remote) | Fanni AI, Jordan March 2025 – April 2025
Developed and deployed AI-driven software solutions and improving system performance in real-world E-commerce applications.

PROJECTS

1. **Birds Classification using Transfer Learning (2025)**
Developed a deep learning custom model to classify multiple bird species using advanced transfer learning techniques with 98.47% accuracy.
 : <https://github.com/Rocky-Dewan/Birds-Classification-using-Transfer-Learning>
 : Python, TensorFlow, Keras, Transfer Learning, EfficientNetB3, ResNet152V2, Matplotlib, Scikit-learn and others+
2. **AttendSure: AI-Powered Attendance & Analytics (2025)**
Developed an intelligent attendance system using facial recognition and computer vision. Leveraged transfer learning (ResNet) for face detection and engagement analytics for classroom insights.
 : <https://github.com/Rocky-Dewan/AttendSure>
 : Python, OpenCV, Firebase Realtime Database, Face Recognition Library, Flask, HTML, CSS, JavaScript, Bootstrap, Barcode Scanner Integration, Real-Time Data Visualization and others+
3. **City-Pulse: Smart Urban Issue Reporting Platform (2025)**
CityPulse is a full-stack urban issue reporting platform that empowers citizens to report real-world city problems like potholes, broken streetlights, and garbage dumps directly from their location.
 : <https://github.com/Rocky-Dewan/City-Pulse>
 : JavaScript, React.js, MongoDB, OpenStreetMap API, REST API, Axios, Tailwind CSS, Render.
4. **ChatBot for School Management System (2024)**
Developed an AI-powered chatbot to automate student and staff queries within a school management system.
 : <https://github.com/Rocky-Dewan/ChatBot>
 : Python, PHP, MySQL, Natural Language Processing (NLP), Flask, HTML, CSS, JavaScript, AJAX

More projects: <https://github.com/Rocky-Dewan>

PROFILE SUMMARY

- **Data Processing & Visualization:**
Skilled in Python (Pandas, NumPy, Matplotlib, Seaborn) for efficient data extraction, cleaning, and visual analysis.
- **LLM Training & Deployment:**
Hands-on experience fine-tuning and deploying large language models.
- **AI-Powered Full-Stack Projects:**
Developed 7+ complete AI systems, including reporting platform, chatbots, dashboards with strong UI/UX design.
- **Cross-Platform Development:**
Proficient in Python, C++, and JavaScript for building smart applications across IoT, embedded, and web systems.
- **Model Optimization & Scalability:**
Focused on improving ML model accuracy, performance, and deployment efficiency in real-world applications.

VOLUNTEER EXPERIENCE

- ICPC Programming Contest (Volunteer) 2023
- Bangladesh AI Olympiad (Volunteer) 2025

EVENTS AND ACTIVITY

- Participated in The 2021 ICPC Asia Dhaka Regional Site Online Preliminary Contest 03 September 2022

ACHIEVEMENT

- First Runner-up | AI Model for Bird Species Classification | Tech Brainstorming Session 2024
- Champion | IoT-Based Attendance System | Tech Brainstorming Session 2025