Miju Ahmed

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○ Github
in Miju Ahmed
🌐 Portfolio

Objective

Motivated and detail-oriented Computer Science student with a strong foundation in C, C++, Java and Python. Experienced in developing CRUD applications and mobile apps using modern frameworks. Eager to leverage programming skills and problem-solving abilities in a challenging role.

Education

B.Sc. in Computer Science & Engineering, **University of Rajshahi**   Jan 2020 – Oct 2025
CGPA: 3.44 out of 4.00

Skills

Languages: Java, Python, C, C++, PHP
Frameworks: Spring-boot, Laravel, Django, TensorFlow, PyTorch, Unity-Game Engine,
Libraries: Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, OpenCV
Databases: MySQL, MongoDB, PostgreSQL
Tools: Git, GitHub, Postman
Concepts: Object-Oriented Programming (OOP), Design Patterns, SOLID Principles, Software Development Life Cycle (SDLC), Clean Architecture

Problem Solving

- Developed strong proficiency in data structures, algorithms, and logical reasoning through consistent problem-solving practice.

- Solved over **600 problems** on Codeforces, gaining a deep understanding of algorithm design and time complexity analysis.

- Solved over **120 problems** on LeetCode, with a focus on coding interview preparation and real-world problem scenarios.

- Solved over **150 problems** across platforms such as CodeChef, UVA, LightOJ, and CSES, enhancing adaptability to diverse problem types and difficulty levels.

Research

- **Face Landmark Detection Using Self-Supervised Vision Transformer**   ○ **GitHub**
  - Detecting facial coordinates such as eyes, nose, jawline, etc. of human faces.
  - Tools Used: PyTorch

Project

- **ID-Logo Detection**   ○ **GitHub**
  - Developed this system for security-based detection of the ID-Card with the associated company's Logo.
  - Tools Used: React, PyTorch
- **Forum-Hub**   ○ **GitHub**
  - Developed a social platform like Facebook
  - Tools Used: MERN, JavaScript
- **University Details**   ○ **GitHub**
  - Developed a social platform like Facebook
  - Tools Used: Django
- **Educational Platform**   ○ **GitHub**
  - Developed this platform as an educational helpful tool where each student's and teachers' information is stored.

- – Tools Used: Flutter
- **Micro-controller Communication(UART & I2C)**   :octocat: **GitHub**
  - – Communicating two Micro-controllers both UART and I2C approaches.
  - – Tools Used: C
- **Book-Store**   :octocat: **GitHub**
  - – Stored the books' information of availability, amount, etc. the all the information of books.
  - – Tools Used: Laravel
- **Neural Network and Deep Learning**   :octocat: **GitHub**
  - – Perform Crowd-Counting, Face-Detection, Face-Verification, Image-Segmentation, Image-Creation, Image-Reconstruction.
  - – Tools Used: PyTorch, Tensorflow

Certifications

- **Python (Programming Language)** – Kaggle, 2024
- **Introduction to SQL** – Coursera, 2024
- **Learning Java** – LinkedIn Learning, 2022
- **Problem Solving (Basic)** – HackerRank, 2022