Rakib Uddin

AI/ML Enthusiast | Competitive Programmer

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PROFILE

- Passionate about designing intelligent systems that learn from data and adapt to solve real-world problems. I actively explore the fields of machine learning, deep learning, natural language processing, computer vision, reinforcement learning, and AI, while sharpening my problem-solving skills through competitive programming. Skilled in algorithms, data structures, and statistical modeling, I aim to bridge theoretical concepts with practical applications.

EDUCATION

• B.Sc. in Computer Science & Engineering 08/2023 – present
Cox's Bazar International University Cox's Bazar, Bangladesh
Relevant Coursework : Machine Learning, Natural Language Processing, Database, Data Structures, Algorithms.

SKILLS

- Programming Languages: C,C++,Golang ,Python,JavaScript, TypeScript, Java,R.
- Machine Learning & AI: TensorFlow, Keras, PyTorch, Scikit-learn, NumPy, Pandas, Matplotlib, OpenCV, YOLOv5, Seaborn,Transformers.
- AI Automation: LangChain, Retrieval-Augmented Generation (RAG), GraphRAG.
- Tools & Platforms: Git, DVC,Docker,Grafana, Kubernetes, Linux, Windows,Hugging-face.

PROJECTS

• End to End MLOps project for Car Price Prediction.
Developed an end-to-end MLOps pipeline for car price prediction, including data preprocessing, model training, deployment, and monitoring. Integrated automated workflows for scalable and continuous delivery using tools like MLflow and Docker.
Tools : Docker,Kubernetes,CI/CD pipeline,AWS,MLflow.

• Fine-tuned Image Classification Model For Pets
Developed a finetuned image classification model using Vision Transformers and oxford-pets dataset.
Tools : Computer Vision,CNN,TensorFlow,Python,Vision Transformers,Gradio.

• Fine-tuned Audio Classification Model
Finetuned a pre-trained audio classification model on custom datasets to accurately detect and classify sound events. Improved model performance through data augmentation and hyperparameter tuning.
Tools : Pytorch,Torchvision,Librosa,Gradio,Transformers.

COMPETITIVE PROGRAMMING

• **Solved:** 1000+ problems across all platforms. 2023 – present
• **LeetCode**: rakib730(Max Rating: 1538, Solved: 160+)
• **CodeChef:** rakib730(Max Rating: 1707, Solved: 70+)
• **Codeforces:** Rakib731(Max Rating: 1288, Solved: 700+)
• **LightOJ :** rakib730(Solved: 25)

CERTIFICATES

• Machine Learning with Python(IBM Coursera).
Supervised/unsupervised learning, best practices, and real-world ML applications.

• Quantum Program-2025
Quantum solvers: algorithms for the world's hardest problems.

• Deep learning & Reinforcement Learning (IBM Coursera).
ANN, CNN, RNN, Python, Reinforcement Learning, and Potato Disease Projects.

LANGUAGES

• English ●●●●○ • Bangla ●●●●●

HOBBY

• Qawwali Singing,Travelling,Coding.