








# RADIB BIN KABIR


Student (4th Year) | CSE, IUT

 Portfolio  ResearchGate  GitHub (Radib-BK)  Leetcode  
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## EDUCATION

 **B.Sc. in Computer Science and Engineering**  
**Islamic University of Technology** | Gazipur, Bangladesh  
July 2021 – Present  
**CGPA: 3.82/4.00**

 **Higher Secondary School Certificate**  
**Notre Dame College** | Dhaka, Bangladesh  
Aug 2018 - Sept 2020  
**GPA: 5.00/5.00**

## EXPERIENCE

-  **Software Engineer Intern**, Dream71 Bangladesh LTD. Jun 2024 – Aug 2024
- Implemented frontend functionalities for the Management System of Department of Shipping, BD, using **Next.js**.
  - Collaborated with backend developers to test and integrate RESTful APIs using **Postman**.
  - Identified, documented, and resolved bugs to ensure smooth feature delivery and improve system stability.

## SKILLS

<b>Programming Languages</b>	Python, C++, JavaScript, Java, PL/SQL, PHP, HTML
<b>Frameworks &amp; Libraries</b>	FastAPI, Node.js, React, Next.js, Spring Boot, ASP.NET Core
<b>AI &amp; Machine Learning</b>	PyTorch, Scikit-learn, Huggingface Transformers, LangChain, pandas, NumPy
<b>Databases &amp; DevOps</b>	PostgreSQL, MongoDB, MySQL, ChromaDB, MS Azure, GitHub Actions (CI/CD), Docker

## PROJECTS

-  **SkillSync AI** <C#, Blazor, ASP.NET Core, FastAPI, Azure, HuggingFace Transformers>    
Developed an AI-powered resume analysis tool that matches user profiles against job descriptions, computes compatibility scores, and maintains an interactive history of past analyses. The system APIs are fully deployed on Microsoft Azure.
-  **MomCare** <Next.js, Spring Boot, FastAPI, PyTorch, NLP, Computer Vision>   
A maternal healthcare application featuring AI-powered calorie estimation, skin disease classification, smart medicine search, intelligent chatbot assistance, medication tracking, and blood donor location services.
-  **GRE Word Wrangle** <Next.js, MongoDB>    
Designed and developed an interactive word guessing game aimed at improving GRE vocabulary, where users are challenged to identify target words from contextual definitions and hints, encouraging learning through streak-based progression.
-  **Recipe Site Traffic Analysis** <Python, NumPy, pandas, scikit-learn, Seaborn>   
Performed data validation and exploratory analysis on recipe data using visualizations and statistical summaries. Developed and evaluated logistic regression and baseline models to predict high-traffic recipes with 89% accuracy.
-  **Moushum** <React, Node.js, MariaDB, Tensorflow, YOLOv5>   
A comprehensive platform with Bengali language support, plant disease detection from videos or images, and an integrated online video meeting platform for agricultural consultations.
-  **HateKhor** <JavaScript, PyTorch, PyFlask>   
An interactive web application to help beginners learn Bengali characters and digits. Features a canvas for handwriting input, audio pronunciation for each character, and a Few-Shot Learning-based model for real-time recognition.
-  **QLibrary** <Javascript, PyQt, Spring Boot, MySQL, Arduino, RFID>  Frontend  Backend   
IoT-enabled library management system combining RFID student authentication and QR code book tracking. Features automated checkout/return processes and integrated E-book repository.

## ACHIEVEMENTS

- Professional Data Scientist** : Certification by Datacamp 
- Convolutional Neural Networks** : Certification by DeepLearning.AI 
- Intermediate Machine Learning** : Certification by Kaggle 
- Structuring Machine Learning Projects** : Certification by DeepLearning.AI 
- Publication on Bangla Handwriting Recognition using Few-Shot Learning** : IEEE STI 2025 