ABIR HASAN

Computer Science and Engineering Graduate | NeU

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OBJECTIVE

Computer Science and Engineering graduate with a strong academic background and practical experience in full-stack development. Skilled in solving complex problems and eager to contribute technical expertise to impactful software projects in an entry-level role.

PROJECTS

Machine Learning-Based CKD Detection System ⌃GitHub

Final Year Project : 4.00/4.00   📅 May 2024 - june 2025

- Developed an **ensemble learning** model for early detection of Chronic Kidney Disease
- Implemented multiple classifiers including **Random Forest and Gradient Boosting**
- Achieved **92%+ accuracy** on test datasets through careful feature engineering

`Python` `Scikit-learn` `Pandas` `NumPy` `Matplotlib` `Jupyter Notebook`

Blog Platform with Advanced Features ⌃GitHub

Full-Stack Web Application   📅 July 2025 - Present

- Developed a comprehensive blog platform with user authentication,**CRUD operations** , and rich text editing
- Implemented responsive design ensuring optimal viewing on all devices.
- Admins and users can manage posts, while**commenting and liking** require authentication.

`Django` `Python` `HTML/CSS` `JavaScript` `SQLite` `Git`

Single-Vendor E-Commerce Platform (GreatKart) ⌃GitHub

Academic Project: 4.00/4.00   📅 2024

- Developed complete Django-based e-commerce platform for a**single business** with full product management. Added product search, filtering, categorization, and responsive design
- Implemented user registration, login, and two-factor email verification. Created comprehensive interface for product, inventory, and order management.

`Django` `Python` `HTML5` `CSS3` `JavaScript` `SQLite`

Weather Application ⌃GitHub

Frontend Development Project   📅 2025

- Connected to OpenWeatherMap API to fetch real-time weather data
- Added city search with autocomplete suggestions. Designed clean UI to display temperature, humidity, and forecast

EDUCATION

B.Sc. in CSE
Netrokona University, Netrokona

📅 January 2020 – June 2025   CGPA : 3.40

HSC in Science
Dhaka State College

📅 January 2017 – January 2019   GPA : 4.08

SSC in Science
Machpara High School

📅 January 2012 – January 2017   GPA : 5.00

SKILLS

`Python` `C/C++` `JavaScript` `SQL` `Django` `FastAPI` `React.js` `MySQL` `Bootstrap` `Tailwind CSS` `jQuery` `Git`

ACHIEVEMENTS

🏆 **Full Stack Web Development with Python, Django & React**
Completed intensive training covering backend (Django, Python), frontend (React, Tailwind CSS), and deployment.
Ostad Online Learning Platform

🏆 **Problem Solving and Competitive Programming**
Solved 150+ problems across platforms including **LeetCode**, **Codeforces**, and **CodeChef** (★ 1). Experienced in algorithms (Sorting, Searching, Divide and Conquer, Brute Force) and Data Structures.
Participated in **ICPC 2023 Preliminary Contest**.

🏆 **Conference Paper**
Chronic Kidney Disease Prediction Using Ensemble Machine Learning
Submitted to *STI 2025: 7th International Conference on Sustainable Technologies for Industry 5.0*

HTML5　Tailwind CSS　React.js　JavaScript　React Hooks

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More Personal and Academic Projects

JobPortal　Youtube Video Downloader　Todo App

NeU: University info android app　LMS: BackEnd

REFERENCES

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- **Abdullah Al Shiam**
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