

# 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

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

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)

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

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

Django framework

## 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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