

# ABIR ASHAB NILOY

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## EDUCATION

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2022 - Present	<b>UNIVERSITY OF DHAKA</b> Institute of Information Technology(IIT) B.Sc in Software Engineering(BSSE)   CGPA-3.54/4 (upto 4th semester)
2018 - 2020	<b>BIRSHRESHTHA NOOR MOHAMMAD PUBLIC COLLEGE, PEELKHANA, DHAKA</b> Higher Secondary Certificate(HSC)   GPA- 5.00/5.00
2013 - 2018	<b>BANCHARAMPUR SM PILOT HIGH SCHOOL, BANCHARAMPUR, BRAHMANBARIA</b> Secondary School Certificate(SSC)   GPA-5.00 /5.00

## EXPERIENCE

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01 January 2024 - 01 march 2024	<b>Software Engineer Trainee, XPEEDLAB</b> <ul style="list-style-type: none"><li>• Made a todo list application using react and node</li><li>• Made a blog application using next and express</li><li>• Made a portfolio, search on google by 'abir-ashab.github.io'</li><li>• Worked on a project named validation master</li></ul>
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## FIELDS OF INTEREST

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Competitive Programming, Machine Learning and Data Science, Web Development, History

## COURSES TAKEN

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Discrete Mathematics, Data Structure and Algorithm, Object Oriented Concepts, Database Management System, Theory of Computing, Computer Networking, Software Requirements Specification and Analysis, Web Technology, Design Patterns, Operating System and System Programming, Information Security, Numerical Analysis, Probability and Statistics, Calculus and Analytic Geometry, Ordinary Differential Equations, Sociology.

## PROJECTS AND COCURRICULAR ACTIVITIES

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### 1. Recruitment Management System(RecruitEase)

- A platform where the tech people can upload their resumes for specific job posts, and employers can filter resumes based on their needs. We used gemini api for retrieving necessary data and filter out the best candidates.
- There are two types of users as of now, employer and employee.They need to sign up according to their role.
- Collected data from top BD software companies as part of requirement analysis.
- Used MERN Stack Web Development

### 2. Bill Generation System

- Developed a bill generation system for Dhaka University teachers
- It is a Desktop application where I used node.js for backend and electron for making desktop version.
- Integrated bangla-text by using kalpurush font

### 3. Machine Learning Algorithms From Scratch

- Implemented KNN, Kmeans, Decision Tree, Random Forest and Logistic Regression.
- Used C++ for implementation and graphics for visualization.
- Used k-folds cross validation for getting accuracy of each.

### 4. Competitive Programming and Hackathons

- Specialist at codeforces (max-ratings : 1440+)
- 3\* at codechef (max-ratings : 1700+)
- Solved 500+ problems
- Finalist of ITVerse-2023 at openApi hackathon segment

## EXTRACURRICULAR ACTIVITIES

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### 1. Reading Books

- Read Seerah, All books of Arif Azad, Some historical books, Some self-development books and many more.
- Planning to write a book soon on Islamic life cycle.

### 2. Photography

- I have my own camera and am actively participating in an intra-dhaka university photography contest.

### 3. Games

- Play indoor games(table tennis,badminton, carrom)
- Play outdoor games (cricket, football)

## SKILLS

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- **Front End** : React, Next, HTML, CSS, JavaScript, Tailwind, Bootstrap
- **Back End** : Node, Express
- **Language** : C, C++, Java, Python, Javascript
- **Database** : Sqlite, Mongodb, Postgresql