

Rasel Mahmud

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Seeking a Software Engineer internship position where I can apply my academic knowledge in computer science and programming skills to contribute to innovative projects. Eager to learn from experienced professionals, gain practical experience in software development, and contribute to the success of the engineering team while furthering my understanding of industry best practices.

EDUCATION:

American International University Bangladesh (Dhaka) Excepted Graduation May 2023

B.S.C in Computer Science Engineering, Major Software Engineering

Bangladesh Navy School and College (Chittagong) July 2019

H.S.C

Bangladesh Navy School and College (Chittagong) February 2017

S.S.C

EXPERIENCE:

ACM Club Member(American International University Bangladesh) 2021-Present

- As an active member of the ACM Club, I've cultivated problem-solving and analytical thinking skills crucial in software engineering.
- Engaging in discussions, and collaborative programming contests has deepened my programming knowledge.

ACTIVITIES:

- Ipc Asia Dhaka Regional Contest 2023-2024
- AI Enigma Contest (AIUB) 2023
- Ipc Asia Dhaka Regional Contest 2022-2023
- Intra Aiub Junior Programming Contest 2022

PROJECTS:

❖ **Vhoktar Odhikar**

(Ongoing)

- Designed and developed a full-stack service system using NestJs for the backend and Next.js for the frontend.
- Implemented user registration and authentication with password hashing using 'bcrypt' for enhanced security.
- Utilized 'node-mailer' to automate email notifications for user interactions within the system.

❖ **Export Import Product Transportation Management System**

May 2023

- Developed an Export-Import-Transportation-Management-System as a web application using HTML, CSS, JavaScript, AJAX, and PHP.
- Utilized basic PHP for server-side functionality and incorporated client-side validations using JavaScript.
- Designed and implemented the project to gain practical experience in HTML, CSS, JavaScript, and AJAX.

❖ **Bone Cancer Detection**

August 2023

- Developed an advanced bone cancer detection system utilizing Deep Learning technology.
- Employed the Vgg19 model to achieve high accuracy in detecting bone cancer from medical images.
- Leveraged deep learning techniques to assist in early diagnosis and treatment of bone cancer, potentially saving lives.

❖ **Human Fall Detection System**

October 2023

- Designed and implemented an innovative Human Fall Detection System using the YOLOv5 (You Only Look Once) object detection model.
- Achieved real-time detection of human falls, contributing to safety and security applications.

SKILLS:

- ASP .NET MVC Web Api
- REST Api
- Nest Js, Next Js
- SOLID Design Principle
- n-tier Architecture
- Type ORM
- PostgreSQL
- MySQL
- SQL Server Management Studio
- Figma
- Python
- C++
- Tailwind CSS

AWARDS:

- I am honored to have been recognized with the Dean's List Award 1 time in recognition of my outstanding academic performance.