MAHRINA MOHSIN RAISA

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Education

Independent University, Bangladesh
BS. Computer Science and Engineering
09/2018 - 09/2023

Academia English Medium School
A-Level
2018

Juvenile English Medium School
O-Level
2016

Summary

A passionate learner, known for a calm and composed demeanor, eager to immerse myself in the dynamic world of the tech industry. Driven by the aspiration to achieve a meaningful position that not only fulfills personal ambitions but also honors the pride of my parents.

Technical Skills

Languages/Tools/Frameworks/Concepts: C++ • Java • HTML • CSS • Laravel • GitHub • Git • Linux • AWS • Figma • MySQL • VirtualBox • Docker

Professional Experience

Golden Harvest Infotech Limited
Dhaka
Fintech Intern
03/2023 - 05/2023

- Contributed to the front-end and back-end development of their banking solution while assisting towards building RESTful APIs to facilitate various banking services, keeping the primary focus on Springboot framework.
- Improvement to the customer logging system, implemented with PostGreSQL, enabled smooth accessibility to user records aligned with API reequests and responses.
- Upheld user data integrity and secure transactions through data encryption algorithms.
- Gained inside knowledge on the Fintech industry, corporate work culture, importance of collaborative problem solving and pair programming while working on a shared project and adhering to client requirements.

Projects

API Services (SAAS)

A cloud based traffic and weather API service hosted on AWS Cloud using EC2 instances deigned to integrate seaqmlessly into applications requiring traffic and weather data.

- Implemented with Elastic Load Balancing (ELB) and Auto Scaling properties to enable efficient load distribution and handle varying traffic loads ensuring optimal performance under varying demand scenarios across multiple Availability Zones.
- Ensures data access security through applied Security Groups and Network Access Control Lists to enforce robust security protocols and control inbound/outbound traffic within the AWS environment.
- Initial project utilized mock databases, consisting of data stored in JSON format, to simulate data retrieval and dissemination.

Orphanage Management System

A web application designed to streamline the management of orphanage records and enhance accessibility for potential parents.

- The system maintains comprehensive records of orphaned children, presenting the information in a user-friendly format for visitors seeking to adopt or support.
- Deviced a secure login system allowing authorized administrators to perform Create, Read, Update, and Delete (CRUD) operations on the orphanage database.
- Incorporated a feature enabling website visitors to donate essential items like food, clothing, and monetary support. This functionality involved a seamless process for contacting designated riders for donation collection and distribution.
- Developed using HTML, CSS, JavaScript, PHP, Laravel framework, and MySQL database for efficient data storage and retrieval.
- The project demonstrates the potential of technology to address social issues. By using web-based tools, it showcases how innovative solutions can be applied to support social causes.

SSF Assistance App

A Java-based application for the Special Forces (SSF) members to display task assignments and training schedules.

- Employed Object-Oriented Programming (OOP) concepts like inheritance, polymorphism, abstraction and encapsulation to design and develop an application interface enhancing code modularity.
- Key functionality included enabled superior officers to assign new tasks efficiently to SSF members across branches (Army, Navy, Air Force). Facilitated a system for managing and displaying detailed training schedules for application stakeholders. Assists executing resource requests from specific units (e.g., weaponry, artillery) allowing members to request essential tools.

Achievements

◈ **Web Application Project Showcase**
Attained 2nd place during TechFest hosted at
Independent University, Bangladesh.

◈ **Daily Star Academic Award**
Awarded for O-Level examination results.

Passions

Devops Enthusiast
I allow myself to actively engage in exploring and
implementing DevOps methodologies to
leveraging automation and deployment strategies,
an interest I picked up during my last few
semesters at university.

Apparel Design
The intersection of creativity and functionality in
clothing is an aspect that pique's my interest. As a
leisure activity, I indulge in exploring innovative
clothing designs and experimenting with diverse
styles and fabrics.

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