

Md.koushik Ahmed Shuvo

Web Development Enthusiast

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Profile

I am a passionate and ambitious Computer Science and Engineering student. I am a constant and quick learner. I can say that my biggest strength is my patience. I don't give up easily. I always try to give my best. I am keen to gain new skills every day and motivated to face and conquer challenge.

Professional Experience

Software Developer Internship

Excite AI Limited

I completed three months internship in this company. Within these three months I learned React Js, Tailwind CSS and Typescript for frontend and python, flask for backend development.

03/2024 – 05/2024

Mohammadpur,
Dhaka

Web Developer Internship(Part time)

Gen X Intel

I completed remote internship in this company for three months. Within these three months they taught me Ruby on Rails, Wordpress and shopify. They assigned a teacher to teach me ruby on rails and provide a udemy course for wordpress.

08/2023 – 01/2024

Ontario, Canada

Education

B.Sc in CSE

Independent University, Bangladesh

01/2020 – 04/2024

Skills

C++

Java

Ruby

Html

Ruby on rails

Tailwindcss

Bootstrap

Flask

Database design

php

JavaScript

Sql

css

React

TypeScript

Python

Problem Analysis

Diagram drawing

Interests

Web development

Frontend:

- Proficient in React.js, Tailwind CSS
- Experienced in creating responsive and dynamic user interfaces

Backend:

- Solid understanding of MVC architecture with Ruby on Rails
- Skilled in PHP and SQL for backend development and database management
- RESTful API endpoint

Projects

Food-Order-System

Html, CSS, JavaScript for Frontend, and PHP with MySQL Database for Backend

As part of my academic coursework for CSE307, I developed a comprehensive web application that simulates a food ordering platform similar to Foodpanda:

- **User Features:**

- User can signup and login
- Allows users to browse restaurant menus and place food orders online.
- user can give feedback about food and restaurant.

- **Restaurant Features:**

- Enables multiple restaurants to create accounts and manage their menus.
- Facilitates the receipt and processing of customer orders efficiently.

E-commerce website-2

Html Css and js for frontend

As a personal project to improve my web development skills, I designed and developed a fully functional frontend for an e-commerce website. The website allows users to browse products, select items, and add them to their cart.

Student-Management-System

Html, CSS, Bootstrap, JavaScript for Frontend, and PHP with MySQL Database for Backend

As part of my academic coursework for Database Management System (CSE303), I participated in a project focused on enhancing an existing Student Management System. The project involved the following key steps:

- **Problem Analysis:** Analyzed the existing system and identified solutions for a newly presented problem within the system.
- **Rich Picture Creation:** Developed a rich picture to visually represent the system's processes and interactions.
- **Business Rules:** Formulated detailed business rules to guide the system's operations and ensure consistency.
- **Entity-Relationship Diagram (ERD):** Created an ERD based on the business rules to illustrate the relationships between entities within the system.
- **Schema Design and Normalization:** Designed the database schema and performed normalization to optimize the database structure.

- **Implementation:** Implemented the system according to the ERD and schema, ensuring that the code aligned with the designed models and rules.

ShipYard Company

Using Java and Javafxml

As part of my academic coursework for Object-Oriented Programming (CSE213), I participated in a team-based project focused on developing a system for a ShipYard Company. The project involved the following steps:

- **Company Selection:** As a team, we selected the ShipYard Company as the focus of our project.
- **User Goal Identification:** Each team member selected two users within the system and defined 8 specific goals for each user, outlining their roles and objectives.
- **UML Diagram Creation:** Developed UML diagrams for each user to visually represent their interactions and responsibilities within the system. The diagrams were then merged to create a comprehensive model of the entire system.
- **Implementation:** Implemented the system using Java, applying Object-Oriented Programming principles to ensure modularity, reusability, and scalability.
- **User Interface Development:** Designed the user interface using SceneBuilder, integrating it with the Java code to provide a functional and intuitive experience.

My-portfolio

React js and tailwind css

As a personal initiative, I developed a portfolio website to showcase my background, skills, and achievements. This project serves as a platform to present my professional journey and highlight notable projects.

Key Features:

- **Personal Biography:** Included detailed information about myself, including my education, skills, and career objectives.
- **Project Highlights:** Featured a selection of key projects to demonstrate my experience and technical abilities.
- **Design and Usability:** Focused on creating an aesthetically pleasing and user-friendly design to effectively communicate my professional profile.

Restaurant-website

React js and tailwindcss

During my internship, I developed a restaurant website as part of a task to enhance my React.js skills. The project involved replicating an existing website provided by my supervisor.

Key Aspects:

- **Website Replication:** Tasked with mimicking the design and functionality of a specified website to practice React.js development.
- **React Libraries:** Utilized various React libraries, including AOS (Animate On Scroll), React Router, and React Icons, to implement smooth animations and interactive features.
- **Data Integration:** Integrated content from a JSON file to dynamically populate the website, ensuring a seamless and maintainable structure.
- **Responsive Design:** Ensured the website was fully responsive, providing an optimal user experience across different devices and screen sizes.

Weather-report

using html css js and api

This project was developed to practice working with APIs and data integration. I created a weather reporting application using a publicly available API.

Key Features:

- **API Integration:** Utilized a free weather API to fetch and retrieve weather data for various cities.

- **Frontend Data Handling:** Implemented data fetching in the frontend to collect weather information and display it in the user interface.
- **Search Functionality:** Enabled users to search for any city by name and view the corresponding weather information.

User_Authentication

using RESTful api in flask

This project was developed to practice building user authentication systems using Flask.

Key Features:

- **User Registration and Login:** Implemented secure endpoints that allow users to sign up and log in to the system.
- **API Development:** Created RESTful API endpoints for handling user registration and login, ensuring secure data processing.
- **Session Management:** Integrated session cookies to manage logged-in user sessions, maintaining secure and persistent user access.
- **API Testing:** Utilized Postman to thoroughly test the API endpoints, ensuring they function correctly and securely.

Appointment_schedule_Chat_bot

using react.js tailwindcss

During my internship, I developed the frontend of an Appointment Schedule Chat Bot for a client, based on a Figma design provided by my supervisor.

Key Aspects:

- **Design Implementation:** Accurately replicated the design from the Figma file, ensuring that the final product matched the client's specifications.
- **Responsive Design:** Ensured the application was fully responsive, providing an optimal user experience across various devices.
- **Frontend Development:** Used React.js and Tailwind CSS to build the user interface, focusing on maintaining code quality and performance.

Tour Guide

For my System Analysis and Design course, I developed a comprehensive project focused on analyzing and solving a specific problem related to tour guiding.

Project Overview:

- **Problem Identification:** Selected and thoroughly researched a problem within the tour guiding industry, reviewing relevant articles and academic papers to gain a deeper understanding.
- **Problem Analysis:** Conducted a detailed analysis of the problem to identify its core issues and challenges.
- **Solution Design:** Designed an optimal solution, utilizing various system design techniques to address the identified problem.

Diagrams and Documentation:

- Created a series of detailed diagrams, including:

Research and Information Gathering:

- Conducted interviews and surveys to gather additional insights and data, further informing the analysis and design process.

Flask_CRUD

Htmls css bootstrap for frontend and Flask and sqlalchemy for backend

To enhance my backend development skills, I undertook this project using the Flask framework. The application provides a comprehensive implementation of CRUD (Create, Read, Update, Delete) operations.

Key Features:

- **User Management:**

- Implemented CRUD functionalities for user management, including creating, deleting, and updating user records.
- **Post Management:**
- Enabled CRUD operations for posts, allowing users to create, delete, and update posts.
- Included functionality to search for posts by ID and view specific post details.
- **Frontend Development:**
- Utilized HTML, CSS, and Bootstrap for a responsive and user-friendly frontend interface.
- **Backend Development:**
- Developed the backend using Flask to handle server-side logic and interactions.
- Employed SQLAlchemy for database management and ORM (Object-Relational Mapping).

E-commerce Web Application

React.js Tailwind css Context api

- **Technologies Used:** React.js, Tailwind CSS, Context API, Local Storage
- **UI Design:** The UI was based on a Figma design that I replicated.

Features:

- **User Authentication:** Users can sign up and log in to the system.
- **Product Purchase:** Logged-in users can browse and purchase products.
- **Cart Functionality:** Users can add products to the cart, and adjust quantities by increasing or decreasing items in the cart.
- **State Management:** Utilized Context API and Local Storage to manage state and persist user data across sessions.

Organizations

Iub ACM Student Chapter

Director of Competitive Programming

As the Director of Competitive Programming for one year, I was responsible for:

- **Session Coordination:** Facilitating communication between students and faculty regarding competitive programming practice sessions organized by our esteemed faculty. Acted as the intermediary to ensure effective dissemination of information.
- **Competition Organization:** Arranging and overseeing competitive programming competitions each semester to encourage participation and skill development among members.
- **Club Participation:** Actively participating in all club events to support and promote the chapter's activities and objectives.
- **Departmental Engagement:** Representing the chapter in departmental events, contributing to the broader academic and extracurricular community.

Extra Curricular Activities

Cricket

Football