

HUMAYUN AHMED NILOY

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Summary

Computer Science student specializing in Software Engineering with strong programming skills (JavaScript, Java, Python, C++, C#) seeking a role to apply technical expertise and contribute to innovative projects. Experienced in web development, problem-solving, and continuous learning.

Experiences

Frontend Developer - Intern

Streams Tech, [Dhaka, Bangladesh]

October 2024 – 20 March, 2025

- Designed and developed user-friendly, responsive web interfaces using Angular, Tailwind CSS, and Angular Material UI.
- Collaborated with backend developers working on .NET Core to integrate APIs and ensure seamless functionality.
- Improved application performance and optimized user experience with modern front-end frameworks and best practices.
- Created and implemented scalable, reusable components for dynamic web applications.

Projects

1. Agricultural Information Hub

GitHub: <https://github.com/nhumayun2/Agricultural-Information-Hub.git>

Live: <https://agriinfohub.netlify.app/>

Description: Designed and developed an informative web application aimed at empowering farmers and agriculture enthusiasts with accessible, categorized agricultural knowledge. Built with Angular and Tailwind CSS, this responsive platform provides curated content across various domains including crop cultivation, pest control, and seasonal farming guides.

Features:

Homepage with Navigation: User-friendly landing page featuring easy navigation to core sections of the site.

Farming Guides: Detailed, categorized articles on agricultural best practices and tips.

Crop Information: Comprehensive crop-wise details including growth methods, optimal conditions, and harvest times.

Pest Management: Insightful pest control strategies and natural remedies for protecting crops.

Contact Form: Interactive form enabling users to submit inquiries or feedback.

Responsive Design: Optimized layout for mobile, tablet, and desktop users using Tailwind CSS.

Technologies Used: TypeScript, HTML, Tailwind CSS, Angular CLI

2. Book Shop Management System

GitHub: <https://github.com/Humayun-Ahmed-Niloy/Book-Management-System-Php>

Description: Developed a comprehensive web application for managing a book shop, utilizing PHP for server-side logic and MySQL for database management. The project is structured to support various roles, including administrators and accountants, providing distinct functionalities for each.

Features:

User Management: Registration, login, profile management, and password recovery for users.

Book Management: Adding, editing, and removing book entries with detailed information.

Inventory and Profit Tracking: Features for accountants to track book inventory and calculate profits.

Admin Controls: Administrative functionalities for user and product management, including updating and deleting records.

Database Interaction: Utilized MySQL for robust and efficient database operations, ensuring data integrity and security.

Technologies Used: PHP, HTML, CSS, JavaScript, MySQL

2. Task Tracker (Angular)

GitHub: <https://github.com/nhumayun2/Task-Tracker-Angular->

Description: Developed a feature-rich task tracker web application using Angular. The application enables users to efficiently manage their tasks by categorizing them into different statuses. This project demonstrates the power of Angular for building dynamic, responsive, and interactive single page applications.

Features:

Task Management: Add, update, or delete tasks with specific details.

Status Tracking: Categorize tasks into "To Do," "In Progress," and "Done" with seamless transitions.

Interactive User Interface: Angular-based dynamic and responsive design for smooth user interaction.

Real-time Updates: Instantly reflect changes using Angular's two-way data binding.

Technologies Used: Angular, TypeScript, HTML, CSS, Angular CLI, Visual Studio Code

4. Dice Game Project

GitHub: <https://github.com/Humayun-Ahmed-Niloy/Dice-Game>

Description: Developed an interactive web-based dice game using HTML, CSS, and JavaScript. The game allows two players to take turns rolling a dice, accumulating points, and competing to reach a winning score.

Features:

Player Management: Implemented functionality for two players with separate score tracking.

Interactive UI: Designed a user-friendly interface displaying current and total scores, active player indication, and dynamic dice images.

Game Logic: Created game mechanics for rolling dice, holding scores, and switching turns based on specific conditions.

Responsive Design: Ensured compatibility across various devices and screen sizes.

Initialization and Reset: Included functionality for starting a new game, resetting scores, and game states.

Technologies Used: HTML, CSS, JavaScript

Technical Skills

Programming Languages:

- Proficient in JavaScript, Java, Python, C++, C#
- Familiar with HTML5, CSS

Software Development:

- Experience with Agile methodologies
- Software testing and debugging

Web Development:

- Front-end development using JavaScript, Angular, React
- Back-end development with PHP, ASP.NET Core

Database Management:

- SQL database design and management
- Experience with MySQL and PostgreSQL

Education

BSc in Computer Science & Engineering [Major in Software Engineering]

- American International University-Bangladesh (AIUB) [In Last Semester]
Current CGPA – 3.31
Completed Credit – 145 Total
Credit - 148

HSC (Science) - 2019

- Bangladesh Navy College – Dhaka

SSC (Science) - 2017

- Shaheed Police Smrity College

References

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