



MD. HASAN IBRAHIM

BSc in Computer Science & Engineering

Experienced Software Engineer with 2 years, specializing in React.js and Next.js for pixel-perfect, user-centered web designs. Proficient in web app development, large system architecture, testing, and documentation.

<https://github.com/mdhasanibrahim>

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01745499145

Uttor Badda, Dhaka

SUMMARY OF SKILLS:

- ❖ Strong knowledge of software development life cycle (SDLC), and agile methodologies.
- ❖ Solid understanding of **Agile** methodologies.
- ❖ Knowledge of test management tools such as **Jira**, **Trello**, and other project management tools.
- ❖ Experience in creating and maintaining **test cases, test plans, and test reports**.
- ❖ Strong **problem-solving** skills and ability to analyze complex issues.
- ❖ Good **communication skills** to collaborate with development teams and stakeholders.
- ❖ Continuous learning and adaptability to **new technologies** and processes.
- ❖ Expertise in building **user interfaces** using **React.js**, including component development, state management, and routing. Proficient in React concepts like **JSX**, virtual **DOM**, and **hooks**.
- ❖ In-depth knowledge and experience with **Next.js**, a popular framework for building React applications. Proficient in server-side rendering, routing, and **API integration** with **Next.js**.
- ❖ Skillful in creating **responsive web applications** and ensuring an optimal user experience.

BASIC SKILLS

- Microsoft word, Excel, Powerpoint.
- Jest, Mocha (Software testing), JSDoc (Documentation).
- Version control – Git, Figma (Design).

TECHNICAL SKILLS

Scripting Language

- HTML5, CSS5, JavaScript, ReactJS, NextJS Redux, mPDF.

Programming Language

- C, C++, C#, Java, Python.

Database & Advanced Database

- SQL Server, Oracle, MySQL.

EDUCATION:

Bachelor of Science in Computer Science and Engineering (CSE)

2021

CGPA: 3.95

American International University-Bangladesh (AIUB)

Higher Secondary Certificate (HSC)

2017

GPA: 5.00

Govt. Debendra College

Secondary School Certificate (SSC)

2015

GPA: 5.00

Manikganj Govt. High School

EXPERIENCES:

IBCS-PRIMAX Software (Bangladesh) LTD. – Front End Programmer - (October 2023 – Present)

Responsibilities:

- ❖ Worked on multiple software projects simultaneously and participated in the whole software development process from design to implementation and delivery.
- ❖ Developed new software functionalities, ensuring that clients' vision and requirements were met.
- ❖ Collaborated with peers on the improvement of software performance and performed error analysis; installed and maintained multiple server software.
- ❖ Recognized by executives for completing projects in a timely manner and within budget

D-bug Station Limited – Software Engineer - (March 2023 – August 2023)

Responsibilities:

- ❖ Responsibilities Involved in Requirement study, Analysis and Design.
- ❖ Designed and developed ReactJS and NextJS GUI for user interface with various Server Controls (textbox, labels, data grid, data list, validations controls)
- ❖ Created JavaScript User Controls to reduce the complexity of user interface design.
- ❖ Data format using Client-side scripting, Client side rendering and Server side rendering.
- ❖ Testing UI interfaces and Apis and make documentation.

D-bug Station Limited – Junior Software Engineer (November 2021- February 2023)

PROJECTS:

Title: E-Commerce Website

Framework: NextJS, Tailwind

Description: I was involved in creating the user interface for the capabilities of login, registration, payment, add to cart, etc.

Title: Online Learning Platform

Framework: NextJS, Tailwind

Description: I was focused on account handling, login, registration, the courses module, and student and teacher interfaces.

Title: ERP & CRM Dashboard

Framework: ReactJS, Bootstrap

Description: I was involved in preparing responsive dashboard for admin & companies.

THESIS:

Title: Object Detection Using YOLO V3

Description: We demonstrate object detection using a fresh dataset comprised of 10,000 photos captured for our research and retrieved from bird movement movies. Image processing is challenged by real-time bird spotting. Previous algorithms have been used, including SSD, R-CNN, and F-CNN. A single neural network called YOLO separates images into regions and gives each probability. By using dimension clusters as anchor boxes, YOLOv3 generates 10,647 boxes, which is a substantial improvement over YOLOv2. We choose YOLO-v3 since it is more accurate at spotting tiny items in our sample. In order to increase accuracy, we partition photos into a 3x3 grid and use the Darknet-53 architecture. With object detection covering the stages of inference, deployment, and training, these improvements lead to increased accuracy and FPS during training and testing.

AREA OF INTEREST:

- Software Development
- Human Resource Management
- Artificial Intelligence
- Human Computer Interaction
- Project Management

ACHIEVEMENTS:

- Academic Honor - Summa Cum Laude (**Gold Medal**), **Deans Award**
- Academic Scholarship

CERTIFICATIONS:

- **Python** for Everybody Coursera.
- Introduction to Cyber security **Cisco Networking Academy**.
- **IT Essentials**- Cisco Networking Academy

PERSONAL DETAILS:

Father's Name : Murad Ahmed

Mother's Name : Nargis Ahmed

Marital Status : Married

Nationality : Bangladeshi

Religion : Islam

Date of Birth : January 25, 2000

PROJECTS:

Title: University Management System (Web)

Language: Developed using PHP, HTML, CSS, JavaScript, Ajax, MySQL

Description: A university portal where professors can upload notes, providing grades & notices and students can view those and submit assignments.

Title: Blood Donation Management System (Desktop)

Developed using Oracle

Description: Blood donation system using database for blood donation campaign where volunteers can store and view donor information categorize blood groups.

OTHER ACTIVITIES:

- Organizing events
- Volunteering.

LANGUAGE:

- English
- Bangla (Native)

REFERENCES:

Md. Hasibul Hasan

Assistant Professor Department of Computer Science.

Faculty of Science and Information Technology

American International University- Bangladesh

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DECLARATION:

I am confident that I have the ability to work with proper responsibility on one's own initiative. I will try my best to perform my duties according to the desired satisfaction of the authority.

I am the undersigned, hereby declare that the above information is true and I will be responsible for any wrong information.



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