

MD Shahidullah Rakib

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CAREER OBJECTIVE

Passionate software engineer specializing in frontend development with expertise in React, Next.js, and Ionic. Aiming to create innovative solutions and enhance user experiences while continuously learning and contributing to impactful projects.

EDUCATION

•American International University - Bangladesh (AIUB)

2022

Bachelor in Computer Science and Engineering

CGPA: 3.60 (Out of 4)

– Major: Information System

PROJECTS

•Study Tasky (Mobile App)

Ionic, React, HTML, Tailwind, Firebase

- A mobile application designed for students to track their daily activities and manage tasks efficiently. Available on the Playstore.
- Features include task tracking, reminders, and daily activity summaries.

•Study Give Way

HTML, Tailwind, PostgreSQL, JavaScript, Django, Jinja

- A platform designed for students aiming to study abroad, featuring a Jinja template integrated with HTML5, Tailwind CSS, and JavaScript.
- Supports user profiles, study abroad programs, and application tracking.

•Product Analysis Website

React, JavaScript, HTML, Bootstrap 5

🔗 [Source Code](#)

- An application for adding products to the cart and analyzing product details, built with React and Bootstrap for a responsive frontend.
- Features include product search, detailed view, and cart management.

•Stock Market Prediction

Python, Jupyter Notebook, LSTM Model

🔗 [Source Code](#)

- Developed using LSTM models to predict stock market closing prices. Includes data visualization and comparison of predicted vs. actual closing prices.
- Enhanced model accuracy through iterative training and hyperparameter tuning.

•Predicting Heart Disease

Python, Jupyter Notebook, ML Models (CNN, KNN, Decision Tree)

🔗 [Source Code](#)

- Implemented various ML models to predict heart disease from medical patient history. Evaluated model performance and accuracy.
- Applied data preprocessing, feature engineering, and model evaluation techniques.

EXPERIENCE

•Young Genius Bangladesh Limited

April 2023 – Present

Junior Software Engineer

Dhaka, Bangladesh

- Developing and maintaining scalable front-end applications using React, Next.js, and Ionic React for mobile applications, ensuring optimized performance and user experience.
- Collaborating with backend teams using Django to integrate APIs and create seamless end-to-end solutions.
- Working in Agile teams, actively contributing to sprint planning, code reviews, and deployments to ensure high-quality code.
- Enhanced project efficiency by refactoring components, improving page load times by 15

•Nagorik IT Solution

May 2022 – March 2023

Junior Web Developer

Dhaka, Bangladesh

- Focused on front-end development using React, implementing dynamic UI components for client applications.
- Collaborated with design teams to translate wireframes into responsive web pages.
- Implemented state management and optimized API calls, reducing load times and improving user experience.
- Worked closely with senior developers, enhancing technical skills in React and modern web development practices.

TECHNICAL SKILLS AND INTERESTS

Languages: C/C++, Java, JavaScript, HTML, CSS

Libraries/Frameworks : React.js, Next.js, Ionic React, Django, jQuery

Web Mobile Dev Tools: Ajax, jQuery, Node.js, VS Code, Git, GitHub, GitLab

Databases: MySQL, PostgreSQL, MongoDB, Firebase

Cloud/Backend Integration: Django REST framework, API integration

Relevant Coursework: Design and Analysis of Algorithms, Operating Systems, Object-Oriented Programming, Database Management Systems, Software Engineering, System Design

Areas of Interest: Frontend Development, Responsive Desktop Applications, Web Design and Development, Mobile Application Development

Soft Skills: Problem Solving, Self-learning, Presentation, Adaptability, Collaboration

RESEARCH WORK

•A Proposed Design of a Lecture Materials To Reduce Learning Complexity

Publication Link

ICCA-2022 (ACM)

- Proposed and developed a **design of lecture materials** aimed at reducing learning complexities, published in **ICCA-2022 (ACM)**.
- Publication Link: <https://dl.acm.org/doi/10.1145/3542954.3542986>
- Utilized **Machine Learning** techniques to analyze patterns and provide insights for personalized learning.
- Applied **Human-Computer Interaction** principles to create more intuitive and user-friendly educational tools.

REFERENCES

•Rashidul Hasan Nabil

Department of Computer Science, FST, AIUB

Lecturer

•Mohamed Jashim Uddin, Ph.D

Department of Mathematics, FST, AIUB

Professor

Head

I hereby certify the above information is true and correct to the best of my knowledge and belief.