

Rafidul Islam

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TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, C, SQL, HTML/CSS

Frameworks: React JS, Next JS, Node.js, Django, Flask, Bootstrap, Tailwind CSS, Daisy-UI, Material-UI

Developer Tools: GitHub, Visual Studio Code, Docker, PyCharm, Postman

Libraries: Pandas, NumPy

Microsoft Office: Word, Power point, Excel

EXPERIENCE

Software Developer

July 2024 – Present

BRAC Bank PLC

Dhaka

- Design and implement robust, scalable, and efficient software solutions aligned with business objectives and industry best practices.
- Ensure continuous improvement through regular updates, debugging, performance tuning, and security enhancements.
- Follow best practices in version control, documentation, and collaboration to maintain high-quality, reliable software systems.

Research Assistant

November 2023 – June 2024

North South University

Dhaka

- Exploring Rust and the Rocket framework to build fast and secure web applications.
- Learning Flutter to create cross-platform mobile apps with a smooth user interface.
- Experimenting with connecting Flutter apps to Rust-powered backends for better performance.

Information Technology Intern

July 2023 – October 2023

BRAC Bank PLC

Dhaka

- Developed a network monitoring platform for BRAC Bank PLC using Python, Flask, HTML, CSS, Bootstrap, and MySQL.
- Monitored performance metrics, tracked downtime, and collaborated with cross-functional teams to enhance network reliability.
- Gained expertise in networking fundamentals, router configuration, DHCP, and various protocols, contributing to project success.

EDUCATION

North South University

Dhaka

Bachelor of Science(BSc) in Computer Science and Engineering

2019 – 2023

CGPA: 3.59

Dhaka College

Dhaka

Higher Secondary Certificate(HSC) in Science

2016 – 2018

GPA: 5.00

Ideal School and College

Dhaka

Secondary School Certificate(SSC) in Science

2006 – 2016

GPA: 5.00

PROJECTS

Learning Management System | TypeScript, Next JS, React JS, Node JS, Prisma, Tailwind CSS December 2025

- Designed and developed a scalable Learning Management System (LMS) using TypeScript, Next.js, React.js, and Node.js, ensuring a seamless learning experience.
- Implemented a robust backend with Prisma ORM, optimized database queries, and built secure RESTful and GraphQL APIs for efficient data management.
- Developed a responsive, user-friendly interface with Tailwind CSS, enhancing accessibility, performance, and overall user engagement.

Project Management System | Python, Django

Ocrober 2025

- Developed a Project Management System using Python and Django, enabling efficient project tracking, team collaboration, and task management.
- Designed a scalable backend with Django, ensuring secure authentication, role-based access control, and optimized database performance.
- Developed an intuitive and responsive front-end using Tailwind CSS, enhancing user experience and accessibility across devices.

Online Marketplace | JavaScript, React JS, Node JS, Express JS, Tailwind CSS, Bootstrap, Mongo DB July 2023

- Designed and developed a dynamic online marketplace using JavaScript, React.js, Node.js, and Express.js, enabling seamless buyer-seller interactions.
- Implemented a scalable MongoDB database with secure user authentication, real-time data handling, and optimized API performance.
- Built a responsive and visually appealing interface using Tailwind CSS and Bootstrap, ensuring a smooth user experience across all devices.

Tic-Tac-Toe Game | Python

May 2020

- Developed a classic Tic-Tac-Toe game in Python, implementing logic for player turns, win conditions, and a user-friendly interface.
- Applied efficient algorithms to handle game state management, including checking for wins, draws, and game resets.
- Created an interactive command-line interface with clear input/output handling, ensuring a smooth and engaging player experience.

System Monitoring | Python, Flask, HTML, CSS, Bootstrap

October 2023

- Designed and implemented a system monitoring platform using Python and Flask to track and visualize system performance metrics in real time.
- Developed an intuitive web interface using HTML, CSS, and Bootstrap, ensuring a responsive and user-friendly experience for monitoring system health.

Heart Disease Prediction with Machine Leaning | Python, Pandas, NumPy

September 2022

- Developed a machine learning model to predict heart disease risk using Python, leveraging algorithms like logistic regression and decision trees for accurate predictions.
- Utilized Pandas and NumPy to clean, preprocess, and analyze medical datasets, handling missing values and normalizing data for model input.
- Evaluated model performance with various metrics such as accuracy, precision, and recall, optimizing the model for better prediction reliability.

REFERENCES

Dr. Mohammad Ashrafuzzaman Khan

Assistant Professor

Department of Electrical and Computer Engineering

North South University, Dhaka, Bangladesh

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M. S. Zaman Shabit

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