

# Rafidul Islam

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## TECHNICAL SKILLS

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**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

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### 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

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### 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

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### **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* October 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 Learning** | *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

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### **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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