

# Md Shihabul Islam

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## Education

**Rajshahi University of Engineering & Technology (RUET)**  
*Bachelor of Science in Mechatronics Engineering*

Rajshahi, Bangladesh  
Expected Graduation: 2026

## Experience

### Jr. Frontend Engineer (Remote)

July 2025 – Present

CareerKor

Rajshahi, Bangladesh

- Building a comprehensive **AI-Powered Career Platform** using **Next.js** and **NestJS**, enabling users to generate AI-optimized resumes and CVs.
- Implemented an in-browser **Resume Editor** and **ATS Checker**, integrating complex state management to handle real-time user inputs and formatting.
- Translated high-fidelity **Figma** designs into responsive, pixel-perfect frontend components using Tailwind CSS.
- Optimized the User Dashboard and Profile management features, improving application load times and user retention metrics.

### Full Stack Software Engineer (Freelance)

Dec 2024 – Present

Remote

- Nazaqa.com**: Developing a full-stack e-commerce platform for a saree brand using **Next.js**, **PayloadCMS**, and **PostgreSQL**. Currently leading the **system testing phase** to validate secure authentication, dynamic inventory management, and seamless checkout flows.
- Aethes Armour (USA)**: Developed a real-time Admin Dashboard for an IoT company using **ReactJS**. Visualized sensor data and device status for efficient remote monitoring.

### Software & Autonomous Sub Team Lead

March 2025 – Present

Team Ogroodoo (Mars Rover Team)

RUET

- Led a team of 8 engineers to develop mission-critical software for the Mars Rover prototype.
- Developed a custom control dashboard using **React.js**, integrating it with the Robot Operating System (ROS) via **Rosbridge**.
- Enabled real-time communication and control between the frontend interface and the rover's hardware systems.

## Projects

### Lung Cancer Detection System | *Next.js, FastAPI, Python, Docker*

[GitHub](#) | [Live](#)

- Engineered a high-precision medical diagnostic tool using a **Vision Transformer (ViT)** model achieving **93% accuracy** on lung CT scans.
- Deployed the AI model in a **FastAPI** server containerized with **Docker** on Hugging Face Spaces for scalable inference.
- Built a secure frontend with Next.js and Auth.js, storing patient records in **PostgreSQL** and medical imaging assets in Cloudinary.

### Robotic Society of RUET Platform | *Next.js, PayloadCMS, PostgreSQL*

[Live](#)

- Developed the official organization website featuring custom dynamic page creation, blog management, and member registration forms.
- Implemented a secure **Certificate Verification System** allowing external validation of member credentials.
- Utilized PayloadCMS for a flexible backend architecture, reducing content management overhead by 40%.

## Technical Skills

**Languages:** JavaScript, TypeScript, HTML/CSS, Python

**Frontend:** React.js, Next.js, Redux Toolkit (RTK Query), Tailwind CSS, Figma

**Backend:** Node.js, NestJS, FastAPI, Express.js

**Databases & Cloud:** PostgreSQL, Docker, Git, GitHub, Hugging Face Spaces

**AI/ML:** AI Integration (OpenRouter/LLMs)