

MOMINUR ISLAM ROBY

SOFTWARE DEVELOPER || FRONT-END DEVELOPER || AI/ML ENTHUSIAST

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A passionate and detail-oriented software developer with a strong foundation in front-end development, AI/ML, and responsive design. Skilled in crafting fast, user-focused, and modern web applications. Currently pursuing a BSc in Computer Science and Engineering at American International University–Bangladesh (AIUB), combining technical expertise with design sensibility to deliver impactful digital solutions.

AREA OF EXPERTISE

Frontend Development | React | Vite | Tailwind CSS | HTML | CSS | JavaScript | Responsive Design
AI & Machine Learning | Python | AWS AI Services | Data Structures | Algorithms
Version Control | Git & GitHub | Deployment | SEO Optimization | UI/UX Principles

PROJECTS

• Scientific Calculator - React, Vite, Tailwind

Built a fully functional scientific calculator with keyboard support and responsive design.

Deployed using GitHub Pages for fast access.

Demo: [[Link](#)] | Repository: [[GitHub Link](#)]

• Smart Travel Application - Java, AI/ML, Algorithm Design

AI travel planner with personalized itineraries. Implemented core algorithmic modules for route scoring and preference weighting.

Demo: [[Link](#)] | Repository: [[GitHub Link](#)]

• AI in Education Research - Python, AWS AI, ML

Adaptive and ethical learning experiments using ML. Used AWS AI tools for model testing and evaluation.

Demo: [[Link](#)] | Repository: [[GitHub Link](#)]

• Modern Web Portfolio - React, Vite, Tailwind, Three.js

Interactive and smooth 3D portfolio website. Designed glassmorphism UI with hover effects and dynamic project cards.

Demo: [[Link](#)] | Repository: [[GitHub Link](#)]

PROFESSIONAL EXPERIENCE

Managing Director - Ataur Battery House & Auto Parts Centre

Jan 2019 - Present

- Managed daily operations and led a small business team.
- Implemented efficient workflow systems and customer-focused improvements.

Lead Photographer - Minds Aperture

Feb 2020 - Present

- Event and portrait photography; managed full creative process from shoot to delivery.
- Former Event Manager at AIUB Photography Club.

EDUCATION

BSc. in Computer Science and Engineering

2023 - Present

American International University–Bangladesh

- Expected Graduation: 2026
- Web Programming, Database Systems, Algorithms, Software Engineering, Machine Learning

Higher Secondary Certificate

Jan 2020 – Dec 2021

Dhaka College | Science

- Graduated in 2021 | Coursework: Physics, Chemistry, Mathematics, Computer Science

Secondary School Certificate

Jan 2011 – Dec 2019

Thakurgaon Govt. Boys' High School | Science

- Graduated in 2019 | Coursework: Bangla, English, Physics, Chemistry, Mathematics etc.

ADDITIONAL INFORMATION

- Languages:** English, Bengali, Hindi
- Certifications:** Professional Innovation Engineer (PIE) License, Project Management Tech (PMT)
- Awards/Activities:** Most Innovative Club member of the Year (2025), Overall Best Tech Diverse Division