




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