A. M. Rafinul Huq

Portfolio | LinkedIn | GitHub
Dhaka, Bangladesh

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Summary

AI-focused software engineer specializing in backend systems, automation, and ML-driven applications. Experienced in building scalable APIs, integrating AI tools, and deploying reliable systems using modern DevOps practices.

Skills

- **Languages:** Python, Go, JavaScript, SQL
- **Backend:** FastAPI, NestJS, REST APIs, JWT
- **Databases:** PostgreSQL, MySQL, MongoDB, Redis
- **AI/ML:** Scikit-learn, TensorFlow, PyTorch, Pandas, NumPy
- **Tools:** Docker, Linux, Bash, Git, CI/CD

Experience

- **Markello** — Dhaka, Bangladesh
  AI Automation & Full-Stack Engineer (R&D) — *Mar 2026 – May 2026*
  – Developed AI automation systems and integrated LLM APIs to streamline workflows.
  – Built scalable full-stack applications and REST APIs with focus on performance.
- **Crebyt LTD** — Dhaka, Bangladesh
  Backend Web Developer — *Mar 2026 – Present*
  – Designed backend systems, APIs, and database architectures for scalable applications.
  – Improved performance, implemented authentication, and supported cloud deployment.
- **HilshaWare** — Dhaka, Bangladesh
  Founder — *Dec 2025 – Present*
  – Led SaaS product development, including system architecture and automation workflows.
  – Aligned engineering execution with product and business strategy.
- **ESAB AIUB Unit Face** — Dhaka, Bangladesh
  Web Developer — *Jan 2025 – Present*
  – Built and maintained a Campus Club Management Portal using NestJS, NextJS, PostgreSQL, and TypeORM.
  – Implemented secure authentication, role-based access, and analytics dashboards for operational visibility.

Projects

- **HilshaWare – ERP SaaS** — hilshaware.com
  Founder | Golang, Gin, Nextjs, PostgreSQL — *Dec 2025 – Present*
  – Designed and built a full-stack SaaS platform replacing fragmented distribution workflows with a unified, automated sales and field operations management system.
  – Architected core modules for analytics, task tracking, performance monitoring, and automated follow-up to drive data-driven decision-making for customers.
- **Norest.io – AI Social Media Automation Platform** — norest.io
  Full-Stack Developer | React, Node.js, AI APIs — *Mar 2026 – Apr 2026*
  – Developed a conversion-focused SaaS landing page and backend for an AI-powered customer support automation product handling Facebook, WhatsApp, Telegram, Instagram, and Email channels.
  – Integrated omnichannel automation features enabling 24/7 AI agent responses, reducing customer support costs by up to 90%.

- **ProjectBrights – Online Learning Platform** projectbrights.com
  Full-Stack Developer | React, Supabase *Mar 2026 – Mar 2026*
  - Built a full-featured Bengali-localized course marketplace with course catalog, masterclass listings, student enrollment flow, and testimonials section.
  - Implemented dynamic course filtering, pricing pages, and responsive UI supporting 5200+ active students.
- **Traveller Social Media App** GitHub
  Backend Developer | NestJS, PostgreSQL, JWT
  - Built backend with authentication, posts, messaging, and REST APIs.
- **Telco Churn Prediction** GitHub
  ML Engineer | Python, Scikit-learn
  - Developed ML pipeline using SVM achieving ˜79% accuracy.
- **Server Automation**
  DevOps | Linux, Bash, Docker, Python
  - Automated server setup, monitoring, and deployment workflows.

Publications

- I. Amin, Md. T. I. Munna, **A. M. R. Huq**, R. A. M. Rudro, and K. Nur, "Bridging the Domain Gap in Waste Detection: A Self-Training Approach for Cross-Environment Generalization," in *Proc. 2026 IEEE 2nd Int. Conf. on Quantum Photonics, Artificial Intelligence, and Networking (QPAIN)*, Chittagong, Bangladesh, Apr. 2026.
- Brain Disease Detection using CNNs and Explainable AI — IJISRT, 2025
- Blockchain-Driven Halal Supply Chains — IJISRT, 2025

Education

- **American International University-Bangladesh** Dhaka, Bangladesh
  BSc in Computer Science and Engineering (BSc. CSE) *2021 – 2026*

Additional

- Languages: English, Bangla
- Certifications: JavaScript DSA, Python