

ABU KOWSAR, PMP, PMI-ACP

Programmer | AI Integration & Digital Transformation Leader | Technical Project Manager



<http://github.com/abukowsar>



<https://linkedin.com/in/abukowsar>



<https://abukowsar.site>

Strategic Technical Project Manager with over 12 years of experience leading enterprise IT and AI initiatives across government and private sectors. Proven track record in driving agile transformations that cut project delays by 30% and improved system efficiency by 60%. Expert at aligning complex technology stacks with policy requirements to deliver secure, scalable platforms for over 10 million citizens.

Key Projects

- **National Fact Checking Engine:** Automatically detect and verify false or misleading information where cross-checks news, social media posts, and images across trusted databases and verified media outlets. Provides a clear verdict either True, False, Misleading, or Partially True.
- **LLM Bangla AI Platform:** Bangla AI is a Bangladesh-centric language technology and artificial intelligence platform dedicated to advancing the use of Bangla (Bengali) in AI-powered digital services.
- **National STEM & AI Platform:** The core mission of STEM-AI is to democratize access to high-quality, future-ready technical knowledge by presenting complex concepts in a structured, practical, and contextually relevant manner.

Core Competencies

- **Project Management:** Agile, Scrum, Hybrid, PMO Setup, Risk Mitigation, Stakeholder Management.
- **AI & Emerging Tech:** Generative AI Integration, MLOps Collaboration, Fact-Checking Engines.
- **Cloud & Infrastructure:** AWS, Azure, GCP, Docker, Digital Workplace Acceleration.
- **Technical Stack:** React, Node.js, Python, SQL, Power BI, Tableau, Jira

Professional Experience

Programmer & Project Lead | Dept. of ICT, ICT Division | 2019–Present

- **Large-Scale Automation:** Directed 40+ national e-government projects, automating public services for 10M+ citizens.
- **Infrastructure Optimization:** Overhauled ICT infrastructure, resulting in a 30% boost in operational efficiency and a 40% reduction in system downtime.

Assistant Programmer | PDB, RDCD, Ministry of LGED and Co. | 2015–2019

- **ERP Integration:** Designed, developed, and maintained web-based and desktop software applications for government departments in alignment with national ICT standards.
- **Distributed Team Management:** Built and led high-performing distributed teams, managing full-lifecycle delivery through agile ceremonies and rigorous risk controls.

Technical Project Manager | Bangladesh Canada Friendship Tech Ltd. | 2013–2015

- **Product Lifecycle Ownership:** Translated complex stakeholder requirements into technical roadmaps, owning the product lifecycle from ideation to release.
- **Engineering Coordination:** Led sprint planning and backlog grooming sessions with engineering leads to ensure high-velocity delivery.

Professional Certifications

- **Project Management Professional (PMP)** | PMI — 2020
- **PMI Agile Certified Practitioner (PMI-ACP)** | PMI — 2020
- **Microsoft Power BI** | Microsoft — 2024
- **IBM AI Developer Professional** | Coursera — 2025
- **Lean Six Sigma White Belt** | CSSC — 2025
- **Artificial Intelligence of Things** | NIPA_K-Link — 2025
- **X-Road Central Server Administrator** | X-Road — 2025

Educational Qualifications

- **Postgraduate Diploma in ICT** | Bangladesh Computer Council (BCC)
- **M.Sc. in Computer Science & Engineering** | Islamic University, Bangladesh
- **B.Sc. in Computer Science & Engineering** | Islamic University, Bangladesh

International Presentations

- **PMI Workshop on Innovation and Creativity** | 2024
- **Generative AI Overview for Project Managers (PMI)** | 2023
- **Enterprise Generative AI (Google Cloud)** | 2023
- **AWS Cloud Practitioner Essentials** | 2022
- **Dell Digital Workplace Acceleration** | 2022
- **Misinformation, Fact-checking and Credibility (DSA)** | 2021
- **Modern Cyber Security (BCS)** | 2021
- **Rise of Agile (PMI)** | 2020

Research & Publications

- **Combating Online Harassment: A Hybrid LSTM-CNN Approach to Cyberbullying Detection** | ICMLA 2025
- **On Handling AI Tasks in CPU with Low Latency and High Performance** | ICAISC 2024
- **Visionary Leadership for Poverty Alleviation** | Intl. Conf. on Leadership 2015
- **Selection of the Root and Greatest Virtue of the Quran** | 2014

Awards & Recognition

- **Best Academic Award** | Islamic University Bangladesh, 2008
- **Best Debater Award** | IUDC, 2009
- **Crest of Honor** | FTFL Program (World Bank), 2014
- **COVID-19 National Plasma Bank (Team Lead)** | lifesaving service for 1000+ patients, 2019
- **BASIS Student Volunteer Program** | Project contributions, 2023

Availability

Available to contribute to international consultancy assignments and donor-supported programs in senior technical and project leadership capacities, particularly in the area of AI-driven digital transformation and digital governance.