

## ABU KOWSAR, PMP, PMI-ACP

Technical Project Manager | AI Integration & Digital Transformation Leader | Industrial Product Designer

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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.

### 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, Ministry of Posts, Telecommunications and IT | 2015–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.
- **Cross-Functional Leadership:** Bridged gaps between policy-makers, procurement, and technical engineering teams to ensure 100% compliant, on-time delivery.

**Project Manager** | Bright Tech Company, Ltd. | 2015–Present

- **AI Integration:** Delivered AI-enabled platforms for APAC clients, leveraging cloud-native architectures to reduce infrastructure costs by 60%.
- **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. | 2014–2015

- **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.

### Key Projects

- **National Fact Checking Engine:** Engineered an automated reporting system using Next.js 14 and TypeScript to detect and categorize misinformation in Bengali.
- **COVID-19 National Plasma Bank:** Acted as Team Lead for a life-critical health initiative that provided support for 1,000+ patients during the pandemic.
- **National Award & Land Management:** Scaled secure, digitized record systems using React, Node.js, and MongoDB for national-scale adjudication and record-keeping.

## 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

## Education

- **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

## 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

## 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

Open to **international consulting, donor-funded programs, senior technical project leadership, and AI-driven digital transformation roles.**