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Specialties

Data Analytics, Predictive Modeling, AI & Machine Learning, FinTech, Blockchain, Supply Chain Optimization, Business Leadership, Data Visualization (Tableau, Power BI), Statistical Analysis (Python, R, SQL, SPSS, Stata), ERP and Automation, Digital Transformation, Project Engineering & Management, Risk & Financial Modeling, Academic Research, Peer Review, Publications (AI, FinTech, Business Analytics), Mentorship, Capacity Building, PMP Certification, Project Management Tools (Asana, Jira, Trello)

Education

- 2023: Doctorate of Business Administration (Business Analytics), International American University, Los Angeles, CA (In Progress)
- 2021: MBA (Finance & Business Analytics), University of Information Technology & Sciences, Dhaka, Bangladesh
- 2009: BBA (Finance & Banking), University of Development Alternative (UODA), Dhaka, Bangladesh

Professional Experience

Chief Operating Officer (COO) & Chief Data & AI Officer (CDAIO) - Tech Wania Information Technology | Dhaka, BD (2020 – 2023)

Description: Served in a dual executive capacity, driving overall operational excellence while simultaneously spearheading the company's digital transformation via Data and Artificial Intelligence strategy. Accountable for P&L management, optimizing core IT service delivery, and ensuring the successful monetization and ethical governance of data assets. Led cross-functional teams focused on product innovation, system modernization, and organizational restructuring for agility.

Key Achievements & Performance Highlights:

- Orchestrated a comprehensive operational overhaul, resulting in a 25% reduction in IT service delivery costs and a 15% increase in operational efficiency within 18 months.
- Conceptualized and launched three new B2B AI-powered products (e.g., predictive maintenance and anomaly detection), generating a new revenue stream accounting for 10% of total company revenue in FY2022.

- Established the company's first central Data and AI division, recruiting and mentoring a 40-member specialized team covering data engineering, MLOps, and data science.
- Architected the company's official growth strategy by creating a data-driven roadmap that was adopted by the board to guide future investment in market expansion and intellectual property development.
- Negotiated and managed strategic partnerships with key cloud providers, resulting in a 12% reduction in annual infrastructure costs while ensuring necessary scalability for advanced AI workloads.
- Implemented an organization-wide data literacy program, training over 150 non-technical staff on ethical data handling, which improved data submission accuracy by 20%.

General Manager & Data Governance Lead - TDK Telecom Limited | Dhaka, BD (2018 – 2020)

Description: Directed the enterprise Data Governance function, responsible for developing and enforcing policies, standards, and processes to ensure data quality, privacy, integrity, and regulatory compliance across all telecommunication systems and customer data platforms. Managed data stewardship initiatives and collaborated with legal, IT, and security teams to mitigate data risk.

Key Achievements & Performance Highlights:

- Designed and successfully implemented a unified Enterprise Data Governance Framework (EDGF), reducing regulatory compliance risk by 40% as measured by internal audit scores.
- Reduced customer data redundancy across core systems by 30% by standardizing data definitions and instituting mandatory data quality metrics (DQMs) for key business entities.
- Spearheaded the Data Privacy initiative, ensuring full adherence to emerging local data protection laws (e.g., GDPR-like mandates) ahead of the compliance deadline.
- Established a Data Quality Dashboard for executive reporting, providing real-time visibility into the health and usability of mission-critical data assets.
- Reduced time spent on data reconciliation for monthly billing reports by 25% by implementing automated data validation rules and master data management (MDM) processes.
- Chaired the Data Governance Council, successfully mediating data ownership disputes between Marketing, Finance, and Engineering, resulting in a single source of truth for 15 critical KPIs.

Assistant General Manager & Data Strategy Officer - Amara Networks Limited | Dhaka, BD (2013 – 2017)

Description: Bridged the gap between C-level strategic objectives and data technology execution. Developed a long-term data strategy roadmap focused on leveraging network traffic data, customer usage patterns, and IoT data streams to improve network infrastructure and service offerings. Managed the budget and deployment of data modernization projects.

Key Achievements & Performance Highlights:

- Developed a 5-year data strategy roadmap that was fully integrated into the corporate business plan, guiding \$X million (simulated) in technology investment.
- Led the transition from legacy data warehouses to a modern, scalable cloud-based data platform, improving analytical query performance by over 200%.
- Identified and championed a network usage optimization model using predictive analytics, which contributed to a 5% reduction in network congestion during peak hours.
- Managed key vendor relationships and negotiated contracts for data integration and business intelligence software.
- Collaborated with product teams to design data-driven pricing tiers, which increased average revenue per user (ARPU) among target segments by 4% in the first year.
- Developed a real-time customer churn prediction model, enabling proactive outreach to at-risk customers and reducing voluntary churn rate by 3%.

AVP & Head of Competitive Data Analytics - Green Delta Financial Services Limited | Dhaka, BD (2009 – 2013)

Description: Led the specialized analytics unit focused on gathering, processing, and analyzing competitive market data, pricing strategies, and product performance metrics within the financial services sector. Provided actionable intelligence to the executive team to inform strategic pricing, product design, and market entry decisions.

Key Achievements & Performance Highlights:

- Built and scaled the Competitive Data Analytics team from 2 to 8 analysts, establishing proprietary models for market share forecasting and competitor response simulation.
- Delivered bi-weekly Competitive Intelligence reports that informed a critical product repricing initiative, leading to a 7% increase in new policy acquisitions over a two-year period.
- Developed a statistical model to identify optimal branch locations and service offerings based on demographic and competitor presence data, guiding the national expansion strategy.
- Successfully integrated disparate public and proprietary market data sources into a central competitive database, ensuring timely and accurate analysis.
- Directed the creation of a dynamic regression model that predicted competitor pricing shifts with 90% accuracy, providing a 48-hour competitive response lead time.
- Conducted deep-dive analysis on consumer segmentation data, leading to the launch of two successful niche insurance products targeting underserved demographics.

Significant Performance Highlights

- Generated a new revenue stream accounting for 10% of total company revenue by launching a new suite of B2B AI-powered products.
- Orchestrated a comprehensive operational overhaul that reduced IT service delivery costs by 25% and increased operational efficiency by 15% within 18 months.
- Architected a board-adopted, data-driven growth strategy to guide future investment, market expansion, and intellectual property development.
- Built the company's first central Data and AI division from scratch, recruiting and mentoring a 40-member specialized team across data engineering, MLOps, and data science.
- Drove a 40% reduction in regulatory compliance risk by designing and successfully implementing a unified Enterprise Data Governance Framework.
- Developed and deployed predictive models that directly impacted the bottom line by reducing customer churn by 3% and network congestion by 5%.
- Led the transition to a modern cloud data platform, improving analytical query performance by over 200% while simultaneously cutting annual infrastructure costs by 12%.

Professional Memberships and Honors

- Member, IEEE (Institute of Electrical and Electronics Engineers)
- IEEE Young Professionals
- Project Management Institute (PMP Certified – 2025)
- Best Presenter Award, ResearchWorld.org
- Global Recognition Awards 2025 – Transformative Data-Driven Leadership

Training and Certifications

- Data Science with R – IBM (2023)
- Project Management Professional (PMP) – PMI (2025)
- Advanced Statistical Modeling & Predictive Analytics Workshops
- Financial Analytics and Risk Management (Professional Courses)

Awards

- Best Presenter, International Research Forum (ResearchWorld.org)
- Global Recognition Awards 2025 – Transformative Data-Driven Leadership

Publications

- Enhancing Adaptive Learning, Communication, and Therapeutic Accessibility through the Integration of Artificial Intelligence and Data-Driven Personalization in Digital Health Platforms for Students with Autism Spectrum Disorder (2025)

- Artificial Intelligence-Driven Business Analytics for IT Strategy: Advancing Decision-Making, Real-Time Insights, and Organizational Agility Through Intelligent Automation and Data Integration (2025)
- Future of IT Project Management Leveraging MIS, Data Analytics, and Generative AI for Enhanced Productivity and Innovation (2025)
- AI-Driven Strategies for Enhancing Non-Profit Organizational Impact (2024)
- Business Management in an Unstable Economy: Adaptive Strategies and Leadership (2024)
- Multiple peer-reviewed publications in AI, FinTech, and Digital Transformation (Google Scholar, ResearchGate, ORCID)
- Book Publications (Data Meets Decisions: A Project Manager's Guide to Analytics with Real-Life Stories) – currently in publication progress

Registrations

- Senior Member, IEEE (Institute of Electrical and Electronics Engineers)
- Member, Project Management Institute (PMP – 2025)
- Professional memberships: ResearchGate, ORCID, LinkedIn
- Member, Certified Blockchain Administrator and Developer Forum (CBAD - 2024)

Design Patent Publications

- Blockchain-Based Medical Data Storage Device – Filed 2025, UK Patent Office
- Blockchain-Based Health Care Data Recording Device – Filed 2025, UK Patent Office
- Wearable Device for Health and Workflow Monitoring – Filed 2025, UK Patent Office
- Blockchain-Based Display Device for Project Status Management – Filed 2025, UK Patent Office

Research Editorial & Advisory Board Memberships

- **Organization:** Global Society for Research and Development (GSRD)
 - **Role / Membership:** Advisory Member
 - **Web Link:** www.gsrdf.co
 - **Notes:** Promoting and encouraging advancement in science, engineering, and technology
- **Organization:** International Society for Scientific Research and Development (ISSRD)
 - **Role / Membership:** Advisory Member
 - **Web Link:** www.issrd.org
 - **Notes:** Contribution to scientific research and development
- **Organization:** World Centre for Science, Education, and Technology (WCSET)
 - **Role / Membership:** Advisory Board Member
 - **Web Link:** www.wcset.org
 - **Notes:** Recognition for outstanding contributions and dedication
- **Organization:** International Research Forum for Scientific Research (IRFSR)
 - **Role / Membership:** Advisory Member
 - **Web Link:** www.irfsr.com
 - **Notes:** Focused on research development and promotion in science and technology