

MD ABID HASSAN MITUL

Email: mitul.aabid@gmail.com

Portfolio: abid-mitul.github.io

Linked In: linkedin.com/in/md-abid-hassan-mitul

Cell Phone: 01714 596 891; 01705 973 095

Present Address: Ashulia, Savar, Dhaka.

Permanent Address: Gazipur Sadar, Gazipur.

Date of Birth: 12 June 1997



Career Summary

Experienced System Administrator with a solid academic foundation in Telecommunication Engineering and Applied Mathematics, specializing in MES-OT, ERP/CRM integration, and smart manufacturing systems. Experienced in automation, software solutions, and data-driven optimization across industrial operations.

Technical Proficiencies

- **Programming & Scripting:** Python, PowerShell, MATLAB, HTML, CSS
- **AI & Automation:** ML, NLP, Siemens TIA Portal, Selenium
- **Database Management:** MS SQL Server (including Server Agent, Admin Task), MySQL
- **System & Server Administration:** Windows Server 2019/2022, Active Directory, Azure Portal, Windows & Linux
- **Networking:** IP Networking, VLAN, DHCP, DNS, Network Troubleshoot, Cisco DNA
- **DevOps & Project Tools:** Git, JIRA
- **Data Analytics & Visualization:** Tableau, Power BI
- **Design & Documentation:** AutoCAD, Ansys, Figma, MS365, LaTeX

Industrial System Experience

- **MES (Manufacturing Execution System):** Machine integration, Recipe Management, Production Monitoring, Downtime Analysis, Automation of Textile Process (Knitting, Dyeing, Squeezing, Compacting, Chemical Dosing, Color Dosing, Cutting), MES-PLC synchronization.
Platforms (OrgaTEX, Color Service, Bianco, Vanguard, BRB, Bitacora, Plant Navigator, WeightScale, Datacolor)
- **OT (Operational Technology):** Sensor / PLC Integration, Edge Device Configuration, Real-Time Monitoring, Machine Connectivity, Automation Workflow, Tag Management
- **SCADA (Supervisory Control & Data Acquisition):** System Design, Meter Networking, PoE Connectivity, HMI Interface, Remote Monitoring, Hazardous Area Setup
- **Microgrid (Energy System):** Configuration, Data Acquisition, Real-time Load Balancing and Integration with Substations, Diesel, Gas, Boiler, Chiller, Air Washer, and Water Tank Systems for Energy Optimization

Business Application Experience

- **ERP (Enterprise Resource Planning):** Educational Institute Management System (EIMS) – Modules for Student Management, Attendance, Payroll, Inventory, Result Processing
- **CRM (Customer Relationship Management):** Stakeholder Data Management, Communication Automation, Role-Based Access, Workflow Management

Professional Experience

- **Administrator, System**

Gildan Activewear Inc., Savar, Dhaka. [September 2024 – Ongoing]

- **Sole MES Administrator for Gildan Bangladesh**, overseeing and maintaining a network of **500+ machines** across critical production lines — including **OrgaTEX (60 Jet dyeing units)**, **Vanguard (305 knitting machines)**, **Color Service (90+ dosing systems)**, **Bianco (20 Squeezers)**, **Compactors (20)**, and **BanChem (25+ automated dosing lines)** — delivering improved system availability and reducing troubleshooting lead time by over **20%**.
- Led the MES–OT integration of Gildan’s **SCADA-based Microgrid**, powering real-time monitoring and control of over **400 energy nodes** including **solar, diesel, and gas systems**, chillers, and boilers. This enabled actionable analytics and reduced energy anomaly response times by **30%**, directly contributing to the company's clean energy and sustainability goals.
- Automated MES–level reporting pipelines, bridging operational data from sensors and PLCs to executive dashboards. Streamlined workflows and minimized manual entry by **40%**, improving traceability and decision-making across utilities, production, and maintenance departments.

- **Product Development Engineer**

Desh Universal Pvt Limited, Mirpur, Dhaka. [January 2021 – December 2023]

- **Designed and deployed a cloud-based ERP system with 20+ modules** for **250+ educational institutes**, streamlining student enrollment, attendance, payroll, inventory, and result publishing — reducing administrative workload by **over 60%** and eliminating paper-based processes in all client institutions.
- **Built and implemented a centralized CRM platform**, automating communication and feedback loops among **1 Million+ users** (students, staff, guardians, candidates) across all institutes — resulting in a **35% improvement** in query resolution time and significantly higher stakeholder satisfaction.
- **Developed real-time dashboards and data reports** that enabled institutional leaders to track key KPIs like attendance, financial dues, academic performance, and resource utilization — boosting decision-making efficiency and compliance reporting accuracy by **over 70%**.
- Led rigorous QA processes involving performance, regression, and user acceptance testing. Optimized feedback loops from 250+ institutions, uncovering **1,500+ improvement points** and facilitating 10+ major version upgrades with minimal disruption and 90% user satisfaction.

Educational Background

- **M.Sc. in Mathematics** - Dhaka University of Engineering & Technology (**DUET**), Gazipur. [2024 – Ongoing]

Research: Optimizing Offshore Turbine Performance Using Computational Fluid Dynamics Simulations Based on MET Mast Operational Data. (Renewable Energy)

- **B.Sc. in Electronics & Telecommunication Engineering** (ETE) – [2015 – 2022]

Rajshahi University of Engineering & Technology (**RUET**)

Research: Energy and Spectrum-Efficient D2D Communication in 5G Networks Considering Millimeter-Wave and Massive MIMO Technologies. (Green Communication)

References

- **Sadat Shahid** | Director, IT Asia - Gildan Activewear Inc. | Email: sshahid@gildan.com
- **Rajib Hassan Rimel** | General Manager – Desh Universal Pvt. Limited | Email: rajib@deshuniversal.com
- **Dr. Most. Nasrin Akhter** | Professor – Dept. of Math, DUET | Email: nasrin@duet.ac.bd