GM IQBAL MAHMUD

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EDUCATION

- **Khulna University of Engineering & Technology[🌐]** *Feb 2017 – Apr 2022*
  Bachelor of Science in Industrial & Production Engineering Khulna, Bangladesh
  - CGPA: 3.65/4.00 (3.78 in last four semesters)
  - **Key Courses:** Operations Management, Operations Research, Logistics & Supply Chain Management, Management Information System Analysis and Desing, Computer Integrated Manufacturing, Quality Management, Production Systems Design, Computer Aided Design etc.

PUBLICATIONS & THESIS   J=Journal, C=Conference, S=In Submission, T=Thesis

[J.1] Bhowmik, O., Chowdhury, S., Ashik, J. H., **Mahmud, G. M. I.**, Khan, M. M., & Hossain, N. U. I. (2024). **Application of artificial intelligence in reverse logistics: A bibliometric and network analysis**. *Supply Chain Analytics*, Vol. 7, September 2024, 100076

[J.2] Tabbakh, A., Al Amin, L., Islam, M., **Mahmud, G. M. I.**, Chowdhury, I. K., & Mukta, M. S. H. (2024). **Towards Sustainable AI: A Comprehensive Framework for Green AI.** Discover Sustainability 5, 408 (2024).

[S.1] Amin, A., Islam, M., Uddin, M. B., Ayan, M. M. J., **Mahmud, G. M. I.**, Bhowmick, S., Das, R. K., & Islam, A. K. M. M. (2024). **Pandemic Management with Artificial Intelligence: Lessons from the COVID-19 Pandemic**. Manuscript submitted for publication.

[T.1] **G M Iqbal Mahmud**, Supervisor: Md. Habibur Rahman (2022). **Solving a Capacitated Vehicle Routing Problem (CVRP) by Using Heuristics and Google OR-Tools: A Case Study**. Submitted to Department of Industrial Engineering and Management, Khulna University of Engineering & Technology, Khulna in partial fulfillment of the requirements for the degree of "Bachelor of Science in Industrial & Production Engineering"

RESEARCH INTERESTS

Operation research, Supply chain & logistics, Healthcare optimization, AI & ML

STANDARDIZED TEST SCORES

Graduate Record Examinations (GRE)				30-Sep-2024
Section	**Overall**	Quantitative	Verbal	Analytical Writing
Score	303	157	146	3.5

International English Language Testing System (IELTS)				29-Oct-2024
Section	**Overall Band**	Listening	Reading	Writing	Speaking
Score	7.0	8.0	7.0	6.5	7.0

PROFESSIONAL EXPERIENCES

- **Unilever Consumer Care Limited [🌐]** *Jun 2023 - Aug 2024*
  Supply Chain Planning Officer Dhaka, Bangladesh
  - Led daily Master Production Schedule (MPS) meetings, coordinating a team of 20 to drive updates and actionable plans across three plants. Streamlined MPS to align with production capacity, Overall Equipment Efficiency (OEE), and inventory strategy, achieving efficient demand and resource management.
  - Developed Python, Power Automate and SAP-based scripts to automate reporting, boosting 'Execution Tree' creation speed by 270% with 100% accuracy. Additionally, implemented VBA scripts for streamlined SAP tasks like PO creation, reducing manual workload and increasing process reliability.
  - Automated supply requirements tracking for day-to-day coverage against sales targets, proactively aligning inventory to anticipated demand and successfully supporting a 158% surge in Knorr SKU demand over forecast, ensuring seamless supply continuity.
  - Reconstructed Master Data and BOMs for 47 SKUs and modified Production Versions to introduce alternate materials, enhancing sustainable collaboration and adaptability.

- **Unilever Bangladesh Limited [🌐]** *Sep 2022 - Dec 2022*
  Unilever Leadership Internship Program (ULIP) Supply Chain Intern Dhaka, Bangladesh
  - Got selected for the prestigious Unilever Leadership Internship Programme (ULIP) in Supply Chain competing nationally against 4,500+ candidates through a rigorous 4-phase recruitment process
  - Successfully completed induction on manufacturing, warehouse, operations, and quality at MFPL, Gazipur factory, gaining a thorough understanding of the production process.
  - Developed automated production planning tool - 'NTPP' using Visual Basic for Applications (VBA) scripting, streamlining the planning process and reducing complexities significantly.

- **Bengal Group of Industries [🌐]** *Jun 2022 - Sep 2022*
  Supply Chain Intern Dhaka, Banglahdesh
  - Developed Material Requirement Planning (MRP) dashboard for four business units to streamline material flow and indexed 1400+ Comparative Statements (CS) into an interactive dashboard using Microsoft Power BI.

TECHNICAL SKILLS

- **Programming Languages:** Python, R, SQL, Visual Basic for Applications (VBA), C
- **Application Softwares:** MS Power BI, Tableau, SAP ERP, Microsoft Office Suite, MS Power Automate
- **Designing Softwares:** SolidWorks, AutoCad, Adobe Illustrator, Blender, Adobe Premiere Pro
- **Research & PKM Tools:** LaTeX, Zotero, Mendeley, ArcGIS, AmpleNote, Obsidian, Notion

HONORS AND AWARDS

- **Dean's List Honoree** *Mar 2019*
  Faculty of Mechanical Engineering, Khulna University of Engineering & Technology [🌐]
  - Awarded in recognition of maintaining an average GPA of 3.75/above across two regular terms in an academic year

- **1st Runner Up at SolidWorks Workshop'18** *Oct 2018*
  IEM Robotics & CAD Club [🌐]

- **Technical scholarship** *Four consecutive academic years*
  Khulna University of Engineering & Technology [🌐]

- **ISCEA PTAK Prize Case Competition - 60% Scholarship** *Jul 2021*
  International Supply Chain Education Alliance Bangladesh [🌐]

- **Top 10 Finalists of 'SCA Upstream' Inter-University Case Competition** *Oct 2020*
  Supply Chain Alliance, Dhaka University - Faculty of Business Studies [🌐]

VOLUNTEER & CO-CURRICULAR EXPERIENCES

- **Level 7 Local Guide** *: Google Maps* [🌐] *Oct 2019 - Present*
  - Completed 1,319 contributions, generating 831,000+ views. Enhanced local information by adding missing locations and roads, correcting inaccuracies to support accurate navigation and information accessibility for the community

- **Senior Executive & Instructor** *: IEM Robotics & CAD Club* [🌐] *Aug 2019 - Feb 2022*
  - Organized and facilitated technical workshops on topics including computer programming, robotics, and CAD, enhancing participants' skills and knowledge
  - Led and trained students in AutoCAD and SolidWorks, providing hands-on guidance and mentorship to improve their technical expertise

- **Level 1 Freelancer** *: Fiverr* [🌐] *Oct 2020 - Jul 2023*
  - Successfully completed over 15 projects with 5 star ratings in Microsoft Excel, Forecasting, and Material Requirements Planning (MRP) for international clients.

CERTIFICATIONS

- **LinkedIn Learning:** R for Data Science: Analysis and Visualization *Dec 2024*
- Basic Data Descriptors, Statistical Distributions, and Application to Business Decisions *Aug 2021*
- **BDJobs:** Modern Practices of Supply Chain & Logistics Management *Jun 2021*
- **Coursera/Macquire Universiy:** Excel Skills for Business Specialization *Aug 2020*
- **Coursera/University of Illinois:** Operations Management: Organization and Analysis *May 2020*
- **Bangladesh Youth Leadership Center:** Art and Practice of Leadership Workshop *Jun 2021*