

A Ahsan (HABIB)

*Versatile & Tech-Driven OM Professional —
Machine Learning, Data Science, IT, RDBMS*

Kuala Lumpur, Malaysia

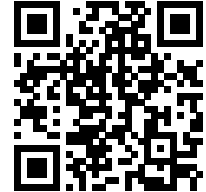
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🔗 Habib-AAhsan

*A man is not finished when he is defeated
He is finished when he quits*



Professional Summary

Versatile and tech-driven professional with over 15 years of experience in automation, project management, and business operations, primarily in the power and energy sector. Served as COO, leading initiatives in supply chain, ERP systems, operational excellence, and ISO compliance. Early career focused on electromechanical systems, process automation, and environmental consulting with global exposure.

Currently pursuing an MSc in Data Science to deepen my impact in analytics and cybersecurity. Strong background in Python, MATLAB, C++, SQL, Tableau, and SAP Analytics Cloud, with hands-on Linux experience. Experienced in teaching Python, MATLAB, Excel Analytics, C++, and Numerical Analysis. Seeking roles that merge leadership, technology, and analytics in solving data-driven challenges.

Education

Ongoing **MSc in Computer Science & IT (DS)**, *Universiti Malaya*, KL, Malaysia
Focus: Machine Learning, Business Analytics, Cybersecurity

2004 **MSc in MecE (MEMS)**, *University of Alberta*, Edmonton, Canada
Research: Micro-sensor Development for Measuring Humidity in Airways

1999 **BSc in Mechanical Engineering (Control Systems)**, *BUET*, Dhaka, Bangladesh
Project: Mechatronics – Automatic Feedback Control System

Technical Skills

Languages	Python, SQL, MATLAB, R, C++, Visual Basic, PL/SQL, FORTRAN77, Bash
Databases	Oracle, MySQL, SQLite, MS Access, Excel (VBA)
Analytics/BI	SAP Analytics Cloud, Tableau, Advanced Excel
Data Tools	Jupyter Notebook, Google Colab, Anaconda, Kaggle
DevTools/IDEs	VS Code, L ^A T _E X, MS Project
Ver Control	Git, GitHub
CI/CD	Jenkins (basic), GitHub Actions (learning)
Cont_Deploy	[Containers & Deployment] Docker, Kubernetes (introductory)
MonitorTools	Prometheus (familiar), Grafana (exploring)

Cloud	AWS (S3, EC2 – basic), GCP (BigQuery – beginner)
OPs	SUSE Linux, Red Hat Linux, Windows, macOS
Crypto Tools	CrypTool, OpenSSL, GPG, Wireshark
CAD & CAE	AutoCAD 3D, ANSYS, FEMLAB
Creative	CorelDraw, Photoshop, Illustrator, GIMP

Business Skills & Other Competencies

Focus Areas	Operations & Project Management, Engineering (ME, EEE), PMP, SCM, ERP
Standards	ISO 9001, 14001, 2000, QMS, EMS, OHSAS, IEC, ASME, ASHRAE
Affiliations	Member – IEB, IEEE, ASME, AIAA USA
Domains	HV/LV Power, Automation, Electromechanical – HVAC
Exposure	Canada, Germany, Thailand, Netherlands, India, Singapore, Malaysia, China, Japan
Recognitions	NSERC Canada, IEEE Xplore, ResearchGate Scholar

Professional Roles

Operations	Head of Operations / COO <ul style="list-style-type: none"> ○ Oversaw operations, process improvement, and business sustainability ○ Financial planning using KPIs: IS, BS, ROI, NPV, COGS, OPEX ○ Led crisis management, SOP standardization, strategic operations ○ Acted as project leader, financial controller, adviser to board
Consultancy	Consultant <ul style="list-style-type: none"> ○ Guided strategic planning, tech adoption, and analytics-based decisions ○ Introduced ERP systems and coached IT & business teams ○ Represented company in stakeholder/client meetings ○ Advised on new business unit formation and crisis mitigation

Professional Experience

2023–2024	Consultant & Chief Operations Officer , <i>Pick-Power & Engineering Co.</i>
2019–2023	Head of Operational Excellence , <i>EnergyPac Engineering Ltd.</i>
2016–2019	Head of Operations , <i>Pick-Power & Engineering Co.</i>
2014–2016	Operations Head , <i>RECL / i-Energy Engineering Services Ltd.</i>
2004–2013	Engineering Manager / Segment Head , <i>Rahimafrooz Group</i>
1999–2003	Engineer & NSERC Researcher , <i>Univ of Alberta, TCEL, Rahimafrooz Group</i>
2001–2022	Instructor / Lecturer (P/T) , <i>UofA, SMUCT, Academic & Corporate Trainings</i>

Teaching & Training

Subjects	Python, C++, MATLAB, Numerical Analysis, Excel Analytics, Physics, Math
Audience	High school, university, and professionals (academic and corporate)

Publications & Articles

2022	Digital Ambient Noise Monitoring Proposal – DOE Bangladesh
2018	Souvenir Article – World Environment Day – DOE Bangladesh

2016 Noise Attenuation System Modeling – ICSV23, Greece
2003 Humidity Micro-sensor – IEEE MEMS/NANO, Canada
2002 Multi-sensor Micro-probe – Alberta Biomedical Engineering Conf.
2000 Auto-feedback Control System – APM '99, IEB Bangladesh

Certifications & Professional Training

Malaysia SAP Analytics Cloud, Tableau, Cryptography Tools
USA CompTIA Security+ (in progress), Google ML Course w/TensorFlow (in progress)
Canada Micro-fabrication (NINT); MATLAB, ANSYS, FEMLAB, CATIA
USA Circuits & Electronics – MITx (edX)
Germany Urban Noise Mapping – SoundPLAN
Thailand Environmental Pollution Control – GeoNoise
Sweden Machine Sound & Vibration Control – KTH
Japan Energy Management – APO
Switzerland ISO 9001, ISO 14000, OH&S – ISO
Bangladesh PMP, SCM, C++, Oracle SQL, AutoCAD, Behavioral Training

Languages

English	Fluent	French	Basic Proficiency
Bangla	Fluent	Malay	Basic Proficiency

Honors & Awards

- **NSERC Canada** – Fully Funded Research Grant (2002–2004)
- **BUET** – Technical Scholarship (1994–1999)
- **Dhaka Board** – Academic Distinction Scholarship (1991–1992)
- **DOE Bangladesh** – Chief Proponent (DANMS Project, 2022), WED Souvenir Writer (2018), Symposium Speaker (2016)
- **International Conferences - First Author, Presenter at A. ICSV23 (Greece, 2016), B. IEEE MEMS/NANO (Canada, 2003), C. Alberta Biomedical Engineering Conf. (Canada, 2002), D. APM '99 – IEB (Bangladesh, 2000)**

References

Available upon request.



Ahsan AHM Habib
Kuala Lumpur, Malaysia
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