

A Ahsan (HABIB)

*Tech-Driven Operations Leader
Aspiring Data AI Pro — ML, Data Science,
Python, SQL, Cloud, BI, RDBMS*

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*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 business operations, project management, and systems automation, 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 systems automation, and projects management with global exposure.

Currently on a postgrad research in Data Science to deepen my impact in analytics and cybersecurity. Strong background in Python, MATLAB, C++, SQL, Tableau, and SAS Enterprise Miner, 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 **Postgrad Researcher, Computer Sc & IT (DS)**, Universiti Malaya, KL, MY
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

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|---------------|--|
| Languages | Python, SQL, MATLAB, R, C++, Visual Basic, PL/SQL, FORTRAN77, Bash |
| Databases | Oracle, MySQL, SQLite, MS Access, Excel (VBA) |
| Analytics/BI | SAS® Enterprise Miner™, Tableau, Advanced Excel |
| Data Tools | Jupyter Notebook, Google Colab, Anaconda, Kaggle |
| DevTools/IDEs | VS Code, LATEX, MS Project |
| Ver Control | Git, GitHub |
| CI/CD | Jenkins (basic), GitHub Actions (learning) |
| Cont_Deploy | [Containers & Deployment] Docker, Kubernetes (introductory) |
| MonitorVisual | Prometheus, Grafana, PowerBI, DBeaver, Looker Studio |

Cloud	AWS (S3, EC2 – basic), GCP
OPs	SUSE, RedHat, Cloudera, Windows, macOS
Crypto Tools	CrypTool, OpenSSL, GPG, Wireshark
CAD & CAE	AutoCAD 3D, ANSYS, FEMLAB
Creative	Canva, 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"> ○ Acted as project leader, financial controller, adviser to board ○ Oversee operations, process improvement, and business sustainability ○ Financial planning using KPIs: IS, BS, ROI, NPV, COGS, OPEX ○ Led crisis management, SOP standardization, strategic operations
Consultancy	Consultant
	<ul style="list-style-type: none"> ○ Country Rep of BD & Consultant, SoundPLAN-GmbH and GeoNoise-Thailand ○ Guide local business giants: strategic plan, tech adoption, analytics-based decisions, introduce ERP, coach IT & business teams, new business consult, and crisis mitigation

Professional Experience

2010–to date	Country Rep of BD & Consultant, SoundPLAN-GmbH, GeoNoise-Thailand
2023–2024	Consultant & Chief Operations Officer, Pick-Power & Engineering Co.
2019–2023	Head of Operational Excellence, EnergyPac Engineering Ltd.
2016–2019	Head of Operations, Pick-Power & Engineering Co.
2014–2016	Operations Head, RECL / i-Energy Engineering Services Ltd.
2004–2013	Engineering Manager / Segment Head, Rahimafrooz Group
1999–2003	Engineer & NSERC Researcher, Univ of Alberta, TCEL, Rahimafrooz Group
2001–2022	Instructor / Lecturer (P/T), UofA, SMUCT, Academic & Corporate Trainings

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

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|---------|--------|--------|-------------------|
| 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 on behalf of SoundPLAN GmbH (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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