

# A Ahsan (HABIB)

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

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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 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

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  
DevToolsIDEs VS Code, L<sup>A</sup>T<sub>E</sub>X, 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**  
 ○ 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**  
 ○ 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

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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