

ASHIR AWSAF SARAAR

MECHANICAL ENGINEER

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PROFILE

Resourceful individual with an eagerness to accept challenges while learning and gaining experience from them. An analytical thinker and a fast-paced learner which allows me to pay attention to detail and be organized.

EDUCATION

2009 - 2013	Cambridge (CIE) O'Levels (3As, 4Bs), <i>Shaheen English Medium School (SEMS)</i>
2013 - 2015	Cambridge (CIE) A'Levels (3As, 1A*), <i>Chittagong Grammar School (CGS)</i>
2016 - 2020	Bachelor with Honors in Mechanical Engineering, <i>Monash University</i> GPA: 3.094 CGPA: 3.61 WAM: 75.207%

EXPERIENCE

September 2015 - April 2016	Assistant teacher, Chittagong Grammar School Dhaka (CGSD) - Taught Mathematics and English for CIE O'levels from Grade 8-10
December 2016 - February 2017	Conference Emcee, Chittagong Grammar School (CGS) - Emcee and organizer for International Round Square Conference hosted by CGS for International schools.
November 2019 - February 2020	Research and Development Intern, Toshiba Transmission and Distribution Sdn. Bhd (TTDA) - Assisted in design and fabrication for ongoing switchgear projects. Heavily involved in the design of SF6 gas tank for MV Switchgears using NX 10.0 and AutoDesk Inventor.
February 2020 - November 2020	Activities Sub Committee, Monash University International Student Service (MUISS) - Assisting in Organizing events for International students in Monash Malaysia.

SKILLS

- **Computer Aided Design Skills**

- Certified SOLIDWORKS CSWA Associate
- 3D modelling and 2D drafting in
 - NX 10.0
 - SOLIDWORKS
 - Auto Desk Inventor
- Well versed in the use of ANSYS to run static structural or dynamic simulations.
- Simple modelling in Abaqus CAE

- **Computer Skills**

- Proficient in -
 - Microsoft Excel
 - Microsoft Word
 - PowerPoint
 - MATLAB
 - Arduino coding

- **Communication Skills**

- Outstanding oral presentation skills developed during university.
- High standards of written skills as per the written assignments and reports submitted at Monash University.
- Teamwork and Professionalism during my internship period in TTDA while working in a team of engineers and carrying out tasks efficiently

ACTIVITIES

- Publication on Research Gate on Fractal analysis done under Hamid Reza Namazi during 3rd year of University.
- Monash High Achievers Award (2016)
- Vice-President of Monash Futsal Club (2019)
- High-School Football team captain for CGS and Chittagong 3rd Division Football Player.
- WARMAN Competition (2017)
- Final Year Project Thesis on Designing a procedure and process for Carbon Capture Efficiency of nanofibrous membranes (2020)

PUBLICATIONS

- Kiew, C. L., Brahmananda, A., Islam, K. T., Lee, H. N., Venier, S. A., **Saraar, A.**, & Namazi, H. (2019). Fractal-based analysis of the relation between the fractal structures of machined surface and tool wear in turning operation. *Fractals*, 27(06), 1950094.
- Kiew, C. L., Brahmananda, A., Islam, K. T., Lee, H. N., Venier, S. A., **Saraar, A.**, & Namazi, H. (2020). Complexity-based analysis of the relation between tool wear and machine vibration in turning operation. *Fractals*, 28(01), 2050018.
- Kiew, C. L., Brahmananda, A., Islam, K. T., Lee, H. N., Venier, S. A., **Saraar, A.**, & Namazi, H. (2020). Analysis of the relation between fractal structures of machined surface and machine vibration signal in turning operation. *Fractals*, 28(01), 2050019.

REFEREES

Dr.Hamidreza Namazi

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