ABDULLAH ARAFAT

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PROFESSIONAL PROFILE

Abdullah Arafat completed BSc. in Materials Science and Engineering from Khulna University of Engineering and Technology (KUET) on 28th March 2022. He is experienced in Information Technology and R&D.

ACADEMIC EXPERIENCES

2017-2022   **Khulna University of Engineering and Technology (KUET)**   **KUET, Khulna, Bangladesh**

Materials Science and Engineering

- CGPA: 3.62/4.00
- Dean List Award (1st and 2nd Semester)

2008-2016   **Military Collegiate School Khulna (MCSK)**   **Phultala, Khulna, Bangladesh**

Science

- HSC GPA: 5.00/5.00
- SSC GPA: 5.00/5.00

WORK EXPERIENCES

EMPROTEC LIMITED   **Sonadanga, Khulna, Bangladesh**
Intern, Engineering

2018-2022

Maintained project sales flow and Bill of quantity (BOQ).
Designed Piping and Instrumentation drawings (P&ID) and Process Flow Diagram (PFD) of LPG and Autogas plants.

- Completed P&ID and PFD for 6 LPG Plants
- Completed 3 BOQ
- Maintained sales flow for 1 project

FABLAB KUET   **KUET, Khulna, Bangladesh**
Student Operator

2019-2022

Maintained Machineries and helped students to do their project at KUET

- CNC Milling Machine (Roland MDX-540)
- Laser Cutter (Epilog Laser MINI 18)
- 3D Printer (Ultimaker 3)

EXTRA CURRICULUM ACTIVITES

KUET Career Club
KUET, Khulna, Bangladesh

2018-2022

Head of IT and Resource

Maintained information technology and resource section of the club, which includes: OVC, participant's data analysis, digital contents, posters, banners etc.

- Organized 5 events (Horizon, Masterclass on Research 101, 102, 103, Roadway to BCS)

Senior Executive (IT and Resource)

- Organized 4 events (Masterclass on Entrepreneurship Study Beyond Borders, Biz Bash: Case study workshop, The Career show)

Junior Executive (IT and Resource)

- Organized 5 events (Workshop on Professional Etiquette, Workshop on Adobe Illustrator, Presentation 101, Career counselling seminar, Robi 10 ms workshop)

CADers
KUET, Khulna, Bangladesh

2019-2020

Content Designer and Assistant IT officer

Maintained design and technology section in organized workshops.

- Organized 2 Workshops (AutoCAD, SOLIDWORKS)

Spectrum
(Skill Development Club of KUET)
KUET, Khulna, Bangladesh

2017-2020

Chief Technology Officer (CTO)

Maintained information technology and resource section of the club, which includes: OVC, participant's data analysis, digital contents, posters, banners etc.

- Organized 5 events (Case League 2.0, Presentation Skills 2.0, Career Planning for Engineers :DO's & DON'Ts, Roadshow of Hashtag Marketing V.4, BrainGens)

Junior Executive (IT and Resource)

- Organized 2 events (Workshop on Case Study, Fun Rush 2.0)

Youth Opportunities
KUET, Khulna, Bangladesh

2018-2019

Campus Ambassador

Maintained on and off-campus brand promotion.

- On campus Postering
- Event on the benefit of youth opportunities

RESARCH PUBLICATIONS

2020
- Effects of the Substrate Structure on the CVD Growth of Two-Dimensional Hexagonal Boron Nitride

The Journal of Physical Chemistry C

2020
- Fingerprint and password controlled Automatic Garage operating system using belt pulley and power screw driven mechanism.

International Journal of Advanced Mechatronic Systems (IJAMECHS)

2019
- Numerical Investigation on Fatigue Life Estimation of Aluminum Structure for Uniaxial Cyclic Loading by Finite Element Modeling.

International Conference on Mechanical Engineering and Renewable Energy (ICMERE)

ACHIEVEMENTS

2020   **ASME CUET Extrusion**   **CUET, Online**
- Runner up

2018   **Ignition**   **KUET, Khulna**
- Champion

2018   **IPE Fest**   **KUET, Khulna**
- Runner up

2018   **Wash Innovation Challenge**   **UNICEF and BRAC, Bhutan**
- South Asia Finalist

2015   **9th International Olympiad on Astronomy and Astrophysics**   **IOAA, Indonesia**
- International Finalist

CERTIFICATIONS

2019   **Certified SOLIDWORKS Professional (CSWP) Examination**   **Dassault Systèmes, Online**
- 318/318

SOFTWARE SKILLS

Technical: Python Programming, Micro-python, SOLIDWORKS, AutoCAD, Key Shot, Ansys, Origin Pro, Materials Studio.
Essential: Microsoft Word, Microsoft PowerPoint, Microsoft Excel, Adobe Photoshop, Adobe Illustrator, Adobe Premiere Pro, OBS Studio.

REFERENCES

Kayesur Rahman
Assistant Commissioner and Executive
Magistrate Government of the People's Republic of Bangladesh
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