

SUMIT SARKER

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 Dhaka, Bangladesh

Experience

- **General Secretary**, Advance Bio-Engineering Club of KUET, (2017-2020)
- **Teaching Assistant**, Department of Biomedical Engineering, KUET (February-June 2021)

Education

- **Bachelor of Science in Biomedical Engineering** GPA: 3.60/4.00
Khulna University of Engineering & Technology, Khulna, Bangladesh. (2016-2020)
- **Higher Secondary Certificate (HSC)** GPA: 5.00/5.00
Notre Dame College Dhaka, Dhaka Board. (2015)
- **Secondary School Certificate (SSC)** GPA: 5.00/5.00
Willes Little Flower School and College, Dhaka Board. (2013)

Research Experience

Undergraduate Thesis

Thesis title: Classification of Thyroid Nodules from Ultrasound Images Using Convolutional Neural Network.

Publications

- A. P. Chhoan, S. Sarker and D. K. Saha, "A Low-Cost Automatic Intravenous Fluid Control System for Medical Treatment," 2020 2nd International Conference on Advanced Information and Communication Technology (ICAICT), Dhaka, Bangladesh, 2020, pp. 246-250, doi: 10.1109/ICAICT51780.2020.9333457.
- F. R. Mashrur, A. D. Roy, A. P. Chhoan, S. Sarker, A. Saha, S. M. N. Hasan, S. Saha "Impact of demographic, environmental, socioeconomic, and government intervention on the spreading of COVID-19" Clinical Epidemiology and Global Health (Accepted) Cite score: 1.5.

Technical Skills

- **Programming:** C, MATLAB, Python, R
- **Designing and Simulation:** Simulink, Multisim, COMSOL Multiphysics
- **Microsoft Office:** Word, PowerPoint, Excel, Visio, Publisher
- **Miscellaneous:** Arduino IDE, Adobe Photoshop, Adobe Illustrator

Linguistic Proficiency

- **Bengali** (Native Language)
- **English** (Fluent Working Proficiency)
- **Hindi** (Basic Knowledge)

Projects

- Smart Infant Incubator.
- Room and Hospital Automation using Arduino.
- Pneumonia Detector using Arduino.
- IoT Based Baby Monitoring System in Household.
- Intravenous Fluid Control and Monitoring System.

Online Courses

- **The Data Scientist's Toolbox** – Coursera
John Hopkins University.

Extra-Curricular Activities, Awards and Achievements

- **Technical Scholarship KUET** Session: 2016-2017, 2017-2018, 2018-2019
- **Ignition - KUET**, Project Showcasing, 1st Runner Up, 2019
- **Textile Fest - KUET**, Project Showcasing, Champion, 2019
- **University Day - KUET**, Project Showcasing, 1st Runners Up, 2018
- **Esonance - Islamic University of Technology**, Project Showcasing, 1st Runners Up, 2018
- **Science for Mankind - Dhaka University**, Project Showcasing, 2nd Runners Up, 2018
- **Intra Department Indoor Championships**, Chess and Dart, 1st Runner-up, 2018
- **Mathematics for Engineering Research Workshop**, Organizer, ABC_KUET
- **Insights of ECG: Processing & Applications Workshop**, Organizer, ABC_KUET
- **ABC of Research Workshop**, Organizer, ABC_KUET

References

Dr. A. B. M. Aowlad Hossain

Professor

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Assistant Professor

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