MD YEAMIM HOSSAIN

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TECHNICAL SKILLS

- **Programming Languages:** MATLAB, Python, C
- **Frameworks & Tools:** Scikit-learn, TensorFlow, PyTorch, WordPress
- **Data Analysis:** Pandas, Numpy, Matplotlib, Jupyter Notebook, Scipy, Seaborn, Power BI
- **Simulation:** Simulink, Proteus, Microwind, Logisim, Lumerical FDTD, CST Studio, Microwave Office
- **Networking:** Cisco Packet Tracer, Wireshark
- **Documentation:** LaTex, Microsoft Office, Libre Office
- **Operating System:** Linux, Windows
- **Web & Graphics Design:** Adobe Illustrator, Adobe Photoshop, HTML5, CSS3, Bootstrap, Media Query, Canva
- **Reference Manager:** Zotero, Mendeley
- **Others:** Arduino & Arduino IDE

RESEARCH INTEREST

Machine Learning, Deep Learning, Predictive Analysis, Bioinformatics, Federated Learning, Wireless Communication, Data Science.

EDUCATION

University of Liberal Arts Bangladesh, Dhaka, Bangladesh
B.Sc. in Electronics and Telecommunication Engineering   Jan. 2015 - Sep. 2019

PROFESSIONAL EXPERIENCE

Teaching Assistant | **Dept. of ETE, University of Liberal Arts Bangladesh, Dhaka, Bangladesh**   Jun. 2019 - Jun. 2020
- Assisted the faculty in conducting lab classes
- Assisted in preparing course materials and presentation
- Assisted in maintaining course-related documents (lab report, assignment, document scrutinization)
- Counseled students, and invigilation duties sometimes.

Coordinator | **ULAB Robotics Wing, University of Liberal Arts Bangladesh, Dhaka, Bangladesh**   Jun. 2018 - Jun. 2019
- Organized dept. project showcasing
- Assisted students/club members in building projects
- Conducted necessary workshops to teach students about different tools (e.g. arduino, proteus, simulink)
- Counseled students in solving errors in their projects.

AWARDS AND HONORS

- 3rd prize at UALB ETE project showcasing, 2018   Aug. 2018
- Runner up at ULAB App idea contest, 2016   Mar. 2016

SELECTED SCHOLARLY PUBLICATIONS

Google Scholar Link: https://scholar.google.com/citations?hl=en&user=k6qChIoAAAAJ

1. **M. Y. Hossain** and A. B. M. S. U. Doulah, "Detection of Motor Imagery (MI) Event in Electroencephalogram (EEG) Signals using Artificial Intelligence Technique," 2020 IEEE East-West Design & Test Symposium (EWDTS), Varna, Bulgaria, 2020, pp. 1-6, doi: 10.1109/EWDTS50664.2020.9224634.
2. **M. Y. Hossain** and A. Sayeed, "A Comparative Study of Motor Imagery (MI) Detection in Electroencephalogram (EEG) Signals Using Different Classification Algorithms," 2021 International Conference on Automation, Control and Mechatronics for Industry 4.0 (ACMI), Rajshahi, Bangladesh, 2021, pp. 1-6, doi: 10.1109/ACMI53878.2021.9528276.

PROJECTS

- Room-specific flame detection system with an LCD monitor
- Traffic control system based on lane traffic density
- Temperature control system for CPUs
- Sound level indicator with LED
- Logic gate IC design with microwind (AND, OR, NAND, NOR, XOR, NOT)

LANGUAGE PROFICIENCY

Mother Tounge: Bangla
Foreign Language: English
Test Score:
Duolingo: Overall **125** (Each band no less than 100)   Sep. 2023