

Curriculum Vitae



Rasel Ahmmed

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Objective

Seeking for a full-time position in Research or Employment, where I can demonstrate my technical and experimental skills and contribute to the development my skill as well as strong determination to serve the institute where I will involve to work.

Personal Info

Name: Rasel Ahmmed
Son of: Late Abdul Mannan & Mst. Papia Khatun
Date of Birth: 14 July, 1990
Nationality: Bangladeshi
Present Address: Pa-72/1, Baishakhi Soroni, Middle Badda, Dhaka-1212.
Permanent Address: Bolidapara, Baruipara, Mirpur, Kushtia.
Marital Status: Single

Education

Khulna University of Engineering & Technology (KUET). 2013-2015	M.Sc. in Electronics & Communication Engineering Cumulative GPA: 3.93(out of 4.00) with 1 st position
Khulna University of Engineering & Technology (KUET). 2008-2012	B.Sc. in Electronics & Communication Engineering Cumulative GPA: 3.80(out of 4.00) with 3 rd position
Police Line School & College, Kushtia 2006-2007	Higher Secondary School Certificate GPA: 5.00(out of 5.00)
Moshan Secondary School, Mirpur, Kushtia. 2004-2005	Secondary School Certificate GPA: 4.75(out of 5.00)

Experience

Position	Organization	Duration
Lecturer	Bangabandhu Sheikh Mujibur Rahman Science & Technology University, Gopalganj, Bangladesh.	25 November, 2018-present
Lecturer	East West University , Dhaka, Bangladesh.	30 August, 2016-22 November, 2018

Honors and awards

Award: Board scholarship for Primary Scholarship Examination.

Award: Board scholarship for Secondary Scholarship Examination.

Award: Merit Scholarship in B.Sc. Engineering from KUET.

Award: Dean listed student for consecutive 6 semesters in B.Sc. Engineering from KUET.

Research Work

M.Sc. Eng: *Tumor and Its Stages Detection in Brain MRI Using Template Based K-means and Fuzzy C-means Clustering Algorithm*

B.Sc. Eng: *Ultrasound Based Strain Imaging of a Synthetic Phantom Using Displacement Data*

No. of thesis students under my supervision at East West University: **16**

Research Interested

- ❖ Signal & Image processing
 - ❖ Biomedical Engineering
 - ❖ Big data analysis and data mining
 - ❖ Machine learning
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Project

1. Design and Implementation of a Simple Analog Communication System
 2. Auto Fan Circuit and dark sensor with alarm
 3. Time Division and Binary Phase division Multiplexer & De-multiplexer
 4. Detection of predefined position within 10 meter
 5. Micro-strip & Wire Antenna Design (914 MHz & 2.4GHz)
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Technical Expertise

- **Operating Systems:** Windows XP Professional, Windows 7, Windows 8, 8.1 and 10, Ubuntu.
 - **Programming Languages:** C, C+, Visual C++, Code block, Java, Python (Running).
 - **Application Packages:** MS Word, MS Excel, MS Power Point.
 - **Hardware Programming:** Intel 8085, 8086, 80287, Microprocessors, Atmega-8, Audrino
 - **Engineering Analytical Tools:** MATLAB, Multisim, PSPICE, Proteus.
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Extra- Curricular Activities

- ❖ Performed and awarded with 2nd position in 'Deshatmabodhok' song in cultural program in university.
 - ❖ Participated in the inter hall cricket and football tournament.
 - ❖ Participated and awarded 1st position in 100m race among both Undergraduate and post graduate students, 2nd in juvenile throw and long jump among post graduate student in the annual sports.
 - ❖ Participated in the inter hall debate completion in the university.
 - ❖ Moderator of Telecommunication club at East West University, Bangladesh, since March 2017.
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Publications

International Conferences

1. Tasnuva Tabassum, Md. Asadur Rahman, Anup Kumar Paul, and **Rasel Ahmed**, "A Narrative Analysis on Deep Learning in IoT based Medical Big Data Analysis with Future Perspectives", Proceedings of International Conference on Electrical, Computer and Communication Engineering (ECCE-19), pp. 1-6, February 7-9, 2019, CUET, Cox's Bazar, Bangladesh, 2019.
2. **Rasel Ahmed**, Md. Asadur Rahman, Md. Faisal Hossain, "Fuzzy Logic Based Algorithm to Classify Tumor Categories with Position from Brain MRI Images", Proceedings of International Conference on Electrical, Information, Communication & Technology (EICT-17), pp. 1-6, December 7-9, 2017, KUET, Khulna, Bangladesh, 2017. <http://ieeexplore.ieee.org/document/8275232/>
3. **Rasel Ahmed**, Anirban Sen Swakshar, Md. Faisal Hossain, and Md. Abdur Rafiq, "Classification of Tumors and It Stages in Brain MRI Using Support Vector Machine and Artificial Neural Network", Proceedings of

International Conference on Electrical, Computer and Communication Engineering (ECCE-17), pp. 229-234, February 16-18, 2017, CUET, Cox's Bazar, Bangladesh, 2017. <http://ieeexplore.ieee.org/document/7912909/>

4. Rezaur Rahman Reza, **Rasel Ahmed**, Md. Foisal Hossain and Masud An Nur Islam Fahim, "A Watermarking Scheme Based on Interpolation and Cellular Automata", International Conference on Engineering Research , Innovation and Education 2017(ICERIE 2017), pp. 61, 13– 15 January, SUST, Sylhet, Bangladesh, 2017.
5. **Rasel Ahmed** and, Md. Foisal Hossain, "Tumor detection in brain MRI image using Template based K-means and Fuzzy C-means Clustering Algorithm", Proceeding of 6th International Conference on Computer Communication and Informatics, ICCCI -2016, 07 – 09 January, 2016, pp. 272-277, Coimbatore, INDIA.
<http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=7479972&isnumber=7479908>
6. **Rasel Ahmed** and, Md. Foisal Hossain, "Tumor stages detection in brain MRI image using Template based K-means and Fuzzy C-means Clustering Algorithm", Proceeding of 11th Global Engineering, Science and Technology Conference, 18 – 19 December, 2015, pp. 1-10, BIAM Foundation, Dhaka. ISBN: 978-1-922069-92-4 (**Awarded as Best Paper**)
https://gistworldconpro.com/uploads/7/2/1452742522/604-rasel_ahmed.pdf

National Conferences

1. Md. Foisal Hossain, **Rasel Ahmed**, Tasmeen Akhter Tonima, and Proma Nag, "Identification and quality grading of mango among different fruits using fuzzy inference system", Proceeding of First Conference on Research for Sustainable Development (FCRSD), 12-13 April, Shahjalal University of Science & Technology (SUST) research Centre, pp-11, 2016.
2. Md. Foisal Hossain, **Rasel Ahmed**, Md. Shahraj Chowdhury, Tasmeen Akhter Tonima, and Proma Nag, "Quality grading of fruits using image processing", Proceeding of Second Conference on Research for Sustainable Development (SCRSD), 02 June, Shahjalal University of Science & Technology (SUST) research Centre, pp-08, 2016.

Journal:

International Journal

1. **Rasel Ahmed** and Md. Foisal Hossain, "A Novel Approach for Tumor Stages Detection & Classification in Brain MRI Images", Global Science and Technology Journal vol. 4, no. 1, September 2016 Issue, pp. 73– 83, Australia, 2016. (**Peer Reviewed Journal**)
2. **Rasel Ahmed**, Md. Asadur Rahman, and Md. Foisal Hossain, "An Advanced Algorithm Combining SVM and ANN Classifiers to Categorize Tumor with Position from Brain MRI Images", Advances in Science, Technology and Engineering Systems Journal, vol. 3, no. 2, pp. 40-48, USA, 2018.
<https://astesj.com/v03/i02/p05/> (**Thompson Reuter Indexed Journal**)
3. Md. Asadur Rahman, Md. Shajedul Islam Shohag, **Rasel Ahmed**, Md. Mahmudul Haque, Anika Anjum, "Defined Limited Fractional Channel Scheme for Call Admission Control by Two-Dimensional Markov Process based Statistical Modeling ", *Advances in Science, Technology and Engineering Systems Journal*, vol. 3, no. 4, pp. 295-307, USA, 2018. <https://astesj.com/v03/i04/p30/> (**Thompson Reuter Indexed Journal**)

References

Dr. Md. Shahjahan

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I do hereby declare that the above information is true and correctly describes my qualifications and myself to the best of my knowledge.

Rasel Ahmed