

## Md. Fahad Hossain

Lecturer,

Department of Computer Science and Engineering,  
Daffodil International University

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**Github:** <https://github.com/fahad35>

## Employment History

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2023 Jan- Current	<b>Lecturer</b> , Computer Science & Engineering, Daffodil International University, Dhaka, Bangladesh. >> Deliver lectures & tutorials for Artificial Intelligence, Data Mining and Machine learning with lab >> Communicating with students, give correct guideline & supervise their activity.
2021 Feb- 2022 Dec	<b>Research Assistant (RA)</b> . Apurba-DIU Research and Development Lab. >> Perform data collection, preprocessing, annotations and automate some of the cropping and structure for Bangla OCR and NLP system.
2019 Oct- Current	<b>Lead Researcher (Natural language processing)</b> . DIU NLP & Machine Learning Research LAB >> Write, publish & present research in high-quality, peer-reviewed journals. >> Supervised more then 200 students' research activities, including projects.

## Education

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2022 May – 2023 Jun	<b>M.Sc. in Computer Science and Engineering, Daffodil International University, Dhaka, Bangladesh.</b> >> CGPA 4.00 Out of 4.00[36 credit toward a Master degree in Computer Science and Engineering] >> Thesis title: <i>Decoding Continental Accents: A Deep Learning Model for Accent Classification Based on Continent of Origin</i>
2017 May- 2021 May	<b>B.Sc. in Computer Science and Engineering, Daffodil International University, Dhaka, Bangladesh.</b> >> CGPA 3.94 Out of 4.00[148 credit toward a Bachelor's degree in Computer Science and Engineering] >> Thesis title: <i>A Noble Deep Learning Approach to Recognize Speaker's Identity from Bengali Speech</i>
2014 Aug -2016 Aug	<b>HSC, Science, Govt. Ananda Mohon College, Mymensingh, Dhaka, Bangladesh.</b> >> CGPA 5.00 Out of 5.00
2009 Jan- 2014 March	<b>SSC, Science, Malancha M. A Gofur High School, Jamalpur, Dhaka, Bangladesh.</b> >> CGPA 5.00 Out of 5.00

## Selected Publications

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1. Hasmot Ali, **Md. Fahad Hossain**, Md. Mehedi Hasan, Sheikh Abujar, "Covid-19 Dataset: Worldwide spread log including countries first case and first death", Data in Brief.
2. **Md. Fahad Hossain**, Md. Al Abid Supto, Zannat Chowdhury, MD.Hana Sultan Chowdhury Sheikh Abujar, "BAAD: A Multipurpose Dataset for Automatic Bangla Offensive Speech Recognition.", Data in Brief.
3. **Md. Fahad Hossain**, Sheak Rashed Haider Noori, "Decoding Continental Accents: A Deep Learning Model for Accent Classification Based on Continent of Origin", Speech Communication. [Submitted]
4. **Md. Fahad Hossain**, Md. Mehedi Hasan, Hasmot Ali, Sheikh Abujar, "A Continuous Word Segmentation of Bengali Noisy Speech", In: Advances in Intelligent Systems and Computing, IC3 2020, Springer, Singapore.
5. Hasmot Ali, **Md.Fahad Hossain**, Shaon Bhatto shovo and Ahmed al maruf, "BanglaSenti: A Dataset of Bangla Words for Sentiment Analysis", 11th International Conference on Computing, Communication and Networking Technologies (ICCCNT), IIT Khargpur, July 1-3, 2020. Proceedings: IEEE Xplorer.
6. Mehedi Hasan, Hasmot Ali, **Md.Fahad Hossain** and Sheikh Abujar, "Preprocessing of Continuous Bengali Speech For Feature Extraction", 11th International Conference on Computing, Communication and Networking Technologies (ICCCNT), IIT Khargpur, July 1-3, 2020. Proceedings: IEEE Xplorer.
7. **Md.Fahad Hossain**, Mehedi Hasan, Hasmot Ali, Rasel Sarkar and Md. Toukirul Hasan "A Machine Learning Approach to Recognize Speakers Region of the United Kingdom from Continuous Speech Based on Accent Classification", 11th International Conference on Electrical and Computer Engineering (ICECE). Proceedings: IEEE Xplorer.
8. Pranta Roy, **Md.Fahad Hossain** and Nusrat Jahan, "Machine Learning Approach to Predict Influence of Smoking on Student life", 12th International Conference on Computing, Communication and Networking Technologies (ICCCNT), IIT Khargpur, July 6-8, 2021. Proceedings: IEEE Xplorer.
9. Mariam Akter, Nishat Sultana, **Md. Fahad Hossain**, Sheak Rashed Haider Noori "Factors that has Effect on Early Movie Recommendation: A Systematic Literature Review", 12th International Conference on Computing, Communication and Networking Technologies (ICCCNT), IIT Khargpur, July 6-8, 2021. Proceedings: IEEE Xplorer.
10. Md Abdullah Al-Kafi, **Md.Fahad Hossain**, Sheak Rashed Haider Noori "A Review On The Relationship Between Human And Artificial Imagination With Their Implementations In Current Machine Learning Algorithms", 12th International Conference on Computing, Communication and Networking Technologies (ICCCNT), IIT Khargpur, July 6-8, 2021. Proceedings: IEEE Xplorer.
11. Md. Mazbaur Rashid, Shariar Kabir Nayeem, **Md. Fahad Hossain**, "A Proposed Approach to Detect Incident and Violation through CCTV using Convolutional Neural Network", Lecture Notes in Electrical Engineering, vol 977. Springer, Singapore.


## Skills

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Coding	Python, Java, SQL, PostgreSQL, C, PHP.
Web Dev.	HTML, CSS, JavaScript.
Framework	Spring, Django, Keras ,Tensorflow.
Tools	Ant, Maven, Git and Github.
Misc.	Research, Training.
Language	Strong reading, writing and speaking competencies for Bangla and English.

## Projects

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**Tawfiq Enterprise**  <https://tawfiqenterprise30.herokuapp.com>

>> Deploy a database for tracking the rent machine using Django.

**BanglaSenti**  <https://github.com/fahad35/BanglaSenti-A-Dataset-of-Bangla-Words-for-Sentiment-Analysis>

>> contains 61582 Bangla words with positive, negative, and neutral words.

>> developed for sentiment analysis, it could be utilized for emotion detection, opinion/review mining.

## Experience

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2019 Jan- 2021Apr	<b>Student Prefect. Daffodil</b> International University. >> Assisted in teaching Object Oriented Programming (Java), Algorithm, Object Oriented Programming–II (Python).
2019 Jan-2020 Jan	<b>Executive Member. DIU</b> computer & programming club (CPC) >> Responsible for monitoring expenditure of all events.

## Nanodegrees & Certificates

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**Django Core | A Reference Guide to Core Django Concepts.** Udemy

**AI for Everyone.** deeplearning.ai, Coursera.

**Python for Everybody Specialization.** Coursera.

## References

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### Hasanuzzaman Dipu

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### Abdus Sattar

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