

# Curriculum vitae

## PERSONAL INFORMATION

### Enam Biswas



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🔗 [e-biswas.github.io](https://e-biswas.github.io)

Sex Male | Date of birth 16/12/1996 | Nationality Bangladeshi

## WORK EXPERIENCE

6 Sep 2017–23Apr 2019

### Undergraduate Teaching Assistant

East West University, Dhaka (Bangladesh)

Undergraduate Teaching Assistant of Computer Science & Engineering Department.

#### My responsibility included:

- Instructed new Bachelor students in Lab and motivated them to gain desired course outcomes. Furthermore, helped course instructor preparing laboratory materials and grading students.

#### Course (Programming Language) taught:

- Structured Programming (C), Object Oriented Programming (C++), Database (MySQL), Artificial Intelligence (Python, Prolog, MatLab) and Software Engineering (PHP, Python, MySQL).

## EDUCATION AND TRAINING

4 May 2015–23Apr 2019

### Bachelor of Engineering in Computer Science & Engineering

East West University, Dhaka (Bangladesh)

**Thesis:** Symptom-Based Disease Detection System In Bengali Using Convolution Neural Network.

**Relevant Courses:** Numerical Methods, Algorithms, Artificial Intelligence, Machine Learning, Data Mining, Statistics and Probability, Demography and Economical Statistics, Differential & Integral Calculus, Differential Equations & Special Functions, Co-ordinate Geometry & Vector Analysis, Linear Algebra & Complex Variables, Discrete Mathematics, Operating Systems, Computer Architecture, Microprocessor, Engineering Physics-I and II.

**CGPA: 3.90/4.00**, 2nd of my batch (Summer-2015), **Full Free Scholarship** for 4 years, all possible (3 times) **Dean's Scholarship** in 4 years of study.

**Achievement:** 26<sup>th</sup> out of 2111 student of 2020 convocation.

**Coursera Courses:** Discrete Math and Analyzing Social Graphs, Matrix Algebra for Engineers, Machine Learning.

**Coursera Specializations:** Python for Everybody, Python 3 Programming, Statistics with Python, Deep Learning, Natural Language Processing, Mathematics for Machine Learning, Generative Adversarial Neural Networks, TensorFlow Developer, TensorFlow: Advanced Techniques.

## PERSONAL SKILLS

Mother tongue(s)

Bengali

Foreign language(s)

English

Listening	Reading	Spoken	Writing	Overall
8.0	7.5	7.0	6.5	7.0
International English Language Testing System (IELTS)				

Organizational / managerial skills

**Management & Leadership:** **General Secretary of IEEE Computer Society**, Computer Science section of East West University (September 2018 - April 2019), hosted one programming contest and showed enthusiasm in recruiting members. Experienced leadership and managerial experience through accomplishing successful projects (part of course curriculum).

## Job-related skills

**Programming Languages:** Most experienced with **C, C++, Python**. Other expertise in MatLab, C#, Java and Prolog.

**Web Development Skills:** HTML, CSS, Bootstrap, PHP, Oracle, MySQL.

**Other Skills:** Professional document editing (Research paper writing, editing) in Microsoft Office and LaTeX.

## ADDITIONAL INFORMATION

## Honors and awards

- Achieved **Full Free Scholarship** for Maintaining GPA 5.00/5.00 in every subject in both High School and School level board examination From **East West University**.
- Achieved **Dean's Scholarship** (Dean List) for maintaining CGPA above 3.80/4.00 in three consecutive semesters after each year of study (Summer 2016, Summer 2017, Summer 2018).

## Publications

1. E. Biswas and A. K. Das, "Symptom-Based Disease Detection System In Bengali Using Convolution Neural Network", 2019 7th International Conference on Smart Computing & Communications (ICSCC), Sarawak, Malaysia, Malaysia, 2019, pp. 1-5. doi: 10.1109/ICSCC.2019.8843664

## Accepted/Ongoing Research

- 1: **Privacy and security perspective on social media – case Facebook** [Accepted, ICTIS 2020]
  - This research represents an analysis of user's perspective on their privacy over Facebook, providing an analysis of how privacy policy can be made rigid to the people and lacking.
- 2: **Recommendation of machine learning algorithm for maintaining a health insurance system.** [Undergraduate]
  - The research works provides few proposals of suitable machine learning algorithms and a preferable system for any Health Insurance Company to maximize profit.
- 3: **Rule concentrated Bangla stemming algorithm.** [Ongoing]
  - It is planned to produce the best stemming result for Bangla and so far, it outperforms every stemming algorithm.
- 4: **Sarcasm detection from Newspaper for Bangla.** [Ongoing]
  - We prepared a dataset from reliable newspapers, containing news type sarcastic or not. RNN based model is designed for performance evaluation and use well known model for comparison.

## Projects

- 1: [Dataset] Bangla Largest Newspaper Dataset.
  - Containing almost 1.7M Bangla news articles. DOI: 10.34740/KAGGLE/DSV/1857507.
- 2: [Dataset] IMDb Largest Review Dataset.
  - Containing almost 5.5M reviews along with 1.2M spoilers from IMDb. DOI: 10.34740/KAGGLE/DSV/1836923.
- 3: [Dataset] IMDb Largest Review Dataset.
  - Containing more than 700,000 reviews-rating of American neighborhood. DOI: 10.34740/KAGGLE/DSV/1842046.
- 4: **Sudoku Solving Using Genetic Algorithm** [Undergraduate].
  - Developed in Python for Artificial Intelligence course. Which can solve existing Sudoku board and generate a new Sudoku board on the basics of genetic algorithm.
- 5: **Movie Review & Rating Website** [Undergraduate].
  - Developed in HTML, PHP and CSS using MySQL database for Software Engineering course. Provides a website like IMDB and similar functionalities.
- 6: **Finding Local Food Store in Banasree** [Undergraduate].
  - Developed in C++ on shortest path algorithmic implementation. Provides an application which suggests local food stores.
- 7: **BanglaLink Help Menu Simulation** [Undergraduate].
  - Developed in C++ on the basics of Object-Oriented Programming. Provides simulation program that works like BanglaLink (a telecommunication company) help menu.

## Memberships

Institute of Electrical and Electronics Engineers (**IEEE**), Student Member, Bangladesh Section, R10-Asia and Pacific.

Membership ID: **94938071**

## References

**First Referee Name:** Dr Shamim H Ripon**Position:** Professor

Department of Computer Science &amp; Engineering, East West University

**Email:** dshr@ewubd.edu**Contact:** +8801928-891-978**Second Referee Name:** Amit Kumar Das**Position:** Senior Lecturer

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