



## Enam Biswas

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### EDUCATION AND TRAINING

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#### Masters Degree in Data Science and Artificial Intelligence

**Saarland University** [ 11 Apr 2021 – Current ]

[www.uni-saarland.de](http://www.uni-saarland.de)

**Related Courses:** Artificial Intelligence, and Statistical Natural Language Processing.

#### Bachelor of Engineering in Computer Science & Engineering

**East West University, Dhaka (Bangladesh)** [ 4 May 2015 – 23 Apr 2019 ]

[www.ewubd.edu](http://www.ewubd.edu)

**Final grade :** 3.90/4.00

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

**Related 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.

**Awards:** Full Free Scholarship for 4 years, all possible (3 times) Dean's Scholarship in 4 years of study.

**Achievement:** 26th out of 2111 students of 2020 convocation.

#### Commonwealth of Learning - Coursera Scholarship

**Commonwealth of Learning** [ 1 Jul 2020 – 31 Mar 2021 ]

[www.col.org](http://www.col.org)

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

**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.

## WORK EXPERIENCE

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### Undergraduate Teaching Assistant

*East West University, Dhaka (Bangladesh)* [ 6 Sep 2017 – 23 Apr 2019 ]

Instructed new Bachelor students in Lab and motivated them to gain desired course outcomes. Furthermore, helped the 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).

## LANGUAGE SKILLS

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Mother tongue(s):

**Bengali**

Other language(s):

**English**

**LISTENING C1 READING C1 WRITING C1**

**SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1**

## JOB-RELATED SKILLS

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### Programming Languages

**Most experienced:** Python, C, and C++. 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.

## HONOURS AND AWARDS

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### Full Free Scholarship

East West University, Dhaka (Bangladesh)

For maintaining GPA 5.00/5.00 in every subject in both High School and School level board examination From East West University.

### Dean's Scholarship (Dean List)

East West University, Dhaka (Bangladesh)

For maintaining CGPA above 3.80/4.00 in three consecutive semesters after each year of study (Summer 2016, Summer 2017, Summer 2018).

## PUBLICATIONS

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### Symptom-Based Disease Detection System In Bengali Using Convolution Neural Network

[2019]

[ieeexplore.ieee.org/document/8843664](https://ieeexplore.ieee.org/document/8843664)

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

## **Privacy and security perspective on social media – case Facebook [Accepted, ICTIS 2020]**

[2020]

This research represents an analysis of user's perspectives on their privacy over Facebook, providing an analysis of how privacy policy can be made rigid to the people and lacking.

## **PROJECTS**

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### **Undergraduate Projects**

1. Recommendation of Machine Learning Algorithm for Maintaining a Health Insurance System: The research works provide few proposals of suitable machine learning algorithms and a preferable system for any Health Insurance Company to maximize profit.
2. Sudoku Solving Using Genetic Algorithm: Developed in Python for Artificial Intelligence course. Which can solve the existing Sudoku board and generate a new Sudoku board on the basics of genetic algorithm.
3. Movie Review & Rating Website: Developed in HTML, PHP, and CSS using MySQL database for Software Engineering course. Provides a website like IMDB and similar functionalities.
4. Finding Local Food Store in Local Area: Developed in C++ on shortest path algorithmic implementation. Provides an application that suggests local food stores.
5. BanglaLink Help Menu Simulation: Developed in C++ on the basics of Object-Oriented Programming. Provides simulation program that works like BanglaLink (a telecommunication company) help menu.

### **Open Source Datasets**

1. Bangla Largest Newspaper Dataset: Containing almost 1.7M Bangla news articles. DOI: 10.34740/KAGGLE/DSV/1857507.
2. IMDb Largest Review Dataset: Containing almost 5.5M reviews along with 1.2M spoilers from IMDb. DOI: 10.34740/KAGGLE/DSV/1836923.
3. IMDb Largest Review Dataset: Containing more than 700,000 reviews-rating of the American neighborhood. DOI: 10.34740/KAGGLE/DSV/1842046.

## **ORGANISATIONAL SKILLS**

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### **General Secretary of IEEE Computer Society, EWU**

I was with the IEEE Student Society Computer Science section of East West University (September 2018 - April 2019). I have hosted one programming contest and showed enthusiasm in recruiting members. Experienced leadership and managerial experience through accomplishing successful projects (part of course curriculum).