

# M. A. DIGANTA

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## Experience

### Dream71 Bangladesh Ltd

Software Engineer (Intern)

Dhaka, Bangladesh

July 2024 - Current

- Collaborated on a government-level project for **Department of Livestock Services (DLS)** maintaining performance standards.
- Contributed in developing the License and NOC Management System using Vue.js and Nuxt.js. library for frontend.

### BRAC University

Student Tutor

Dhaka, Bangladesh

Sep 2022 - Dec 2023

- Served as a Student Tutor in the course **Programming Language - Python** for four consecutive semesters.
- Provided essential support to faculty during lab sessions by offering guidance and assistance to students.
- Mentored numerous students in their course-related studies, offering consultations and problem-solving sessions.

## Education

### BRAC University

BSc in Computer Science & Engineering

Dhaka, Bangladesh

Jan 2020 - Dec 2023

- Cum. GPA 3.83
- Relevant Coursework:** Data Structures, Algorithms, Software Engineering, Artificial Intelligence, Data Science.

### Dhaka College

Higher Secondary Certificate (HSC)

Dhaka, Bangladesh

2019 | Science

- GPA 5.00

### Monipur High School & College

Secondary School Certificate (SSC)

Dhaka, Bangladesh

2017 | Science

- GPA 5.00

## Thesis and Personal Projects

**Thesis:** Automated Detection of Malignant Lesions in the Ovary Using Deep Learning Models and XAI.

- Developed an automated detection system using CNN models to detect ovarian cancer.
- Conducted a comparative analysis of XAI models, including LIME, SHAP, and Integrated Gradients.

### MedixConnect - Find Your Medicine Instantly [Github Link]

- Created a search-enabled e-commerce website model for pharmaceuticals, utilizing Django, Bootstrap, HTML, and CSS.

### Diamond Price Prediction using Machine Learning [Github Link]

- Implemented Machine Learning models such as Linear Regression, Decision Tree Regression, Random Forest Regression, Gradient Boosting Regression, SVR, and KNN, as well as Lime and ELI5 XAI models.

## Skills

<b>Programming</b>	Python, Javascript, Java, PHP
<b>Development</b>	HTML, CSS, Node.js, Vue.js
<b>Framework</b>	Django, Nuxt.js, React.js, Express
<b>Additional Skills</b>	Machine Learning, Data Science, AI, MySQL, MongoDB, Git

## Language Proficiency

**English** IELTS 2024 - Overall Band 7.5

**Bengali** Native speaker

## References

### Md. Saiful Islam

Senior Lecturer (Thesis Supervisor) | BRAC University

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### Mr. Dibyo Fabian Dofadar

Lecturer | BRAC University

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