



BIDESH BISWAS BIKI

Developer & Researcher

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Miyazaki, Japan

in bideshbiswasbiki1

bideshbiswas

bideshbiswas.github.io

SKILLS

C Python CUDA PHP

JavaScript HTML CSS

Laravel Parallel Computing

High-Performance Computing

cuDSS CMake

Machine Learning NLP

Image Processing Simulation

SCHOLARSHIPS

Rotary Yoneyama Scholarship |

ロータリー米山記念奨学会

04/2026 – Present

- **Status:** Active Scholar, Japan

KOHNAN Asia Scholarship | 興

南アジア国際奨学財団

04/2025 – 03/2026

- **Status:** Alumni, Japan

PROJECTS

Lost and Found Management System

- Developed using PHP and MySQL. (GitHub Link)

Furniture Shop System

- Built a comprehensive e-commerce platform using PHP and MySQL. (GitHub Link)

Music Player (Android)

- Android application successfully published and live on the Amazon App Store. (App Link)

ABOUT ME

An adaptable researcher and developer with expertise in high-performance computing, software development and system analysis. Passionate about leveraging C, Python and GPU acceleration to solve complex computational problems. Eager to apply my background in parallel processing within an innovative IT environment.

EDUCATION

PhD, Interdisciplinary Graduate School of Agriculture and Engineering | [University of Miyazaki](#)

10/2024 – Present

Miyazaki, Japan

- **Focus:** Electromagnetic Field Analysis.
- **Research:** High performance electromagnetic field analysis and inverse analysis based on ADVENTURE_Fullwave.

MSc, Mechanical System and Informatics | [University of Miyazaki](#)

10/2022 – 09/2024

Miyazaki, Japan

- **Research Area:** NLP, Machine learning, Image processing.

BSc, Computer Science and Engineering | [Daffodil International University](#)

01/2017 – 12/2020

Dhaka, Bangladesh

- **CGPA:** 3.60 Out of 4.00

Higher Secondary School Certificate (HSC) | [Engineering University School & College](#)

2013 – 2015

Dhaka, Bangladesh

- **GPA:** 4.43 Out of 5.00

PUBLICATIONS

1. Study on GPGPU computing of subdomain solver for high-frequency electromagnetic field analysis | [IEICE Technical Committee on EST Workshop](#)

05/2026

Tokyo, Japan

- **Volume:** IEICE Tech. Rep., vol. 126, no. 25, EST2026-7, pp. 36-41, May 2026.

EXPERIENCE

Quality Assurance Engineer |
VCube Soft and Tech (InsideMaps)
11/2021 – 02/2022

Web Developer | BudboxDC
07/2021 – 09/2021

LANGUAGES

Bangla: Native

English: Advanced

Japanese: Conversational

INTERESTS

- Technology
- Gaming
- Anime & Manga
- Travel
- Music

2. Study on GPGPU Computing of Subdomain Solver in High-Frequency Electromagnetic Field Analysis | Intl. Conference on Artificial Life and Robotics (ICAROB)

01/2026 Oita, Japan

DOI: <https://doi.org/10.5954/ICAROB.2026.OS12-8>

3. Development of Huge-Scale Microwave Analysis Code: AD-VENTURE_Fullwave with GPU | 44th JSST Annual Intl. Conference

09/2025 Aomori, Japan

4. Analysis and Forecasting of Cryptocurrency Markets Using Bayesian and LSTM-Based Deep Learning Models | MDPI Informatics Journal

08/2025

DOI: <https://doi.org/10.3390/informatics12030087>

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5. Automatic Selection of High-Grade Dried Shiitake Mushrooms using Machine Learning | ICAROB

02/2024 Oita, Japan

DOI: <http://10.5954/ICAROB.2024.OS22-6>

6. Predicting High Volatility Cryptocurrency Prices using Deep Learning | ICAROB

02/2024 Oita, Japan

DOI: <http://10.5954/ICAROB.2024.OS22-7>

7. Tourism Support for Bioluminescent Fungi Using Video Technology (First Author) | ICAROB

02/2023 Oita, Japan

DOI: <http://dx.doi.org/10.5954/ICAROB.2023.OS18-5>

8. Prediction of Pneumonia Disease of Newborn Baby Based on Statistical Analysis... | 11th Intl. Conference on Cloud Computing, Data Science & Engineering

03/2021 Noida, India

Link: <https://ieeexplore.ieee.org/abstract/document/9377169>

MASTERS THESIS

Optimizing English to Japanese Translation: A Comparative BLEU Score Analysis | Master's Thesis, University of Miyazaki

09/2024 Miyazaki, Japan