## | Basic Information 基本情報

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|---|---|
| **Name** | Abdullah al Tamim (タミム) |
| **Birth date** | 22 Feb, 2002 |
| **Current Address** | H#46, R#13, Merul Badda (DIT Project), Badda, Dhaka |
| **Contact Number** | +88-01757751284 |
| **E-mail** | alltamim.abdullah@gmail.com |
| **Portfolio link** | • Portfolio (https://abdullah-al-tamim.vercel.app/ )<br>• Github (https://github.com/abdullah-al-tamim )<br>• Stopstalk (https://www.stopstalk.com/user/profile/tamim_abdullah )<br>• Leetcode (https://leetcode.com/u/tamim_abdullah/ ) |

## | Academic Background 学歴

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|---|---|---|---|
| **Degree** | BSc in Computer Science and Engineering | | |
| **University Name** | East West University | | |
| **Duration** | 2020.1 – 2024.1 (4 Years) | **CGPA** | 3.88 / 4.00 |
| **Passing Date** | 15th January 2024 | | |

## | Professional Working Experience 職歴

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|---|---|
| **Company Name** | **East West University** |
| **Job Title** | **Graduate and Undergraduate Teaching Assistant** |
| **Job Responsibilities** | • **Courses Assisted:** Object Oriented Programming, Algorithms, Database Systems, Artificial Intelligence, Software Engineering, Information System Analysis and Design<br>• Tutored students individually and in groups and helped them grasp difficult concepts.<br>• Guided with coding and project work.<br>• Evaluated assignments and lab tests and gave detailed feedback to aid their academic growth. |
| **Technology / Language Used** | C, C++, Java, Python, Django, Oracle DB, MySQL, SQLite, HTML, CSS, Javascript |
| **Duration** | 2022.4 – Now (2.7 years) |

## | Technical Skills 技術スキル

S = Team Lead or Managerial Level experience, A = Professional project Experience, B=Highly confident skill, C = Personal / Academic Project Experience, D = Theoretical Knowledge

| Programming Language | Skill Level | Web | Skill Level | Database | Skill Level | Others | Skill Level |
|---|---|---|---|---|---|---|---|
| C | B | Django | B | Oracle | B | Git (GitHub) | B |
| C++ | B | RESTful API | B | SQLite | B | Data Preprocessing | B |
| Python | B | Next JS / React JS | B | MySQL | B | Data Visualization | B |
| Java | B | Framer Motion | B | Firebase | C | Machine Learning | B |
| Javascript | B | HTML / CSS | C | MongoDB | D | Figma | C |
| GO | C | Tailwind | C | | | | |
| | | PHP | C | | | | |

## | Academic or Personal Project Experience 学習のための経験

| Duration | Project Details | Technology Used | Your Role |
|---|---|---|---|
| (2022.9 – 2023.1)<br><br>3 Months | **Project Title:** Online Railway Ticket Reservation System<br><br>**Project Overview:** This project aims to automate the railway e-ticketing system<br><br>• **Choosing Seats:** Users can manually select or automatically choose empty seats for the next 10 days<br>• **Payment System:** Users can make payments for the tickets<br>• **Receiving e-Ticket:** Users can instantly download the booked ticket or receive the ticket via email<br>• **User profile:** Every user can see their journey history and upcoming journeys on their profile<br>• **Admin Panel:** Admins can change train schedules, add/remove trains and new stoppages.<br>Project Link : abdullah-al-tamim/Online-Railway-Ticket-Reservation-System (github.com)<br><br>Total Number of Members : 2 | **Backend:** Django Rest API, Python, Django<br><br>**Frontend:** HTML, CSS, Bootstrap, Javascript<br><br>**Database:** Oracle DB | **MY Role :** Fullstack Developer<br><br>**Name of Part:**<br><br>• Manage the full project as the team lead.<br>• Worked both on frontend and backend services |

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|---|---|---|---|
| (2023.1 – 2024.1)<br>1 Year | **Project Title** :  Decoding Object Shapes from EEG Signals of the Brain<br>**Project Overview:** The aim of this project is to classify and identify object shapes through touch, using brain signals without relying on visual input.<br><br>• **Signal to Image Conversion:** To leverage the capabilities of deep learning models, we converted the brain signals into images.<br>• **Stacked Ensembling:** We utilized a stacked ensemble of three YOLOv8 models with a Random Forest classifier to enhance the accuracy of object classification.<br>• **Accuracy:** Our final model achieved a 94% test accuracy on our dataset, significantly outperforming related works.<br>**Total Number of Members:** 4 | **Models:** YOLO V8, ResNet50, VGG19, Random Forest<br><br>**Python Libraries:** Pandas, Numpy, Matplotlib, Seaborn, Tensorflow<br><br>**Others:** Continuous Wavelet Transformation (CWT), Fast Fourier Transformation (FFT) | My Role: Team Leader<br><br>My Contribution:<br>• Built the Deep Learning models<br>• Transformed signals into images using CWT and FFT<br>• Volunteered during data collection |
| (2023.11 – 2024.1)<br>2 Months | **Project Title:** Book Recommender System<br>**Project Overview:** This system recommends books to the users using the K Nearest Neighbor (KNN) approach with the Pearson Correlation Coefficient without using any prebuilt library.<br>• **Clustering:** Clusters users based on common book ratings.<br>• **Suggests Books:** Utilizes average ratings from the top k nearest neighbors for predictions and Provides top ten recommended books for a user<br>• **Predicts Probable Rating:** Predicts probable ratings for a specified book based on user ID and ISBN number.<br>**Project Link:** abdullah-al-tamim/Book-Recommender-System | **Python Notebook** | My role: Developer (Personal Project) |
| (2023.11 – 2024.1)<br>3 Months | **Project Title** :  Face Attendance System<br>**Project Overview :**  This system takes the attendance of registered users automatically by scanning their face<br>• **Takes Attendance:** It scans and identifies the user's face from registered users. If the attendance has already been taken for the day, it shows "already taken."<br>• **MediaPipe:** It utilizes the Google MediaPipe library to recognize the faces of the users.<br>**Project Link :** abdullah-al-tamim/Facial-Recognition-with-Real-Time-Database<br>**Total Number of Members:** 1 | **Programming Language:** Python<br><br>**Database:** Firebase | My Role: Developer. (Personal Project) |

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|---|---|---|---|
| (2024.4 – Current) 3 Months | **Project Title** : LisTog<br>**Project Overview :** This project provides an environment for listening to music together in a virtual room.<br>• **Create or Join Room:** Users can create or join a room and listen to music together<br>• **Control Music:** Control playback (pause, play) if they are given permission<br>• **Vote to skip:** Users can give Votes to skip a song<br>**Next goal:** Incorporate the video streaming co-watching feature.<br>**Progress:** 70%<br>**Project Link :** abdullah-al-tamim/LisTog<br>**Total Number of Members:** 1 | **Backend:** Django Rest API, Python, Django, Spotify Web API<br><br>**Frontend:** HTML, CSS, React JS<br><br>**Database:** SQLite | My Role: Fullstack Developer. (Personal Project) |

## | Language Skills 言語スキル

| Language | Reading | Writing | Listening | Speaking |
|---|---|---|---|---|
| Bengali | Excellent | Excellent | Excellent | Good |
| English | Excellent | Good | Excellent | Excellent |
| Japanese | Basic | Basic | Basic | Basic |

## | Professional Certification 資格や検定

| Title | Institute | Date |
|---|---|---|
| Certificate for clearing the assessment on SQL (Intermediate) 🔗 | HackerRank | Dec 2, 2023 |
| Cleaning Data in Python 🔗 | DataCamp | Feb 17, 2023 |
| Machine Learning for Time Series Data in Python 🔗 | DataCamp | Mar 21, 2023 |

## | Special Achievements 受賞歴など

- **Special Achievements in BJET till Term 2:**
  - High Performance Award in Term 1 and Term 2. 🔗🔗
  - High Performance Award in Weekly Quizzes of Term 1 and Term 2. 🔗🔗
  - High Performance Award in Daily Quizzes of Term 1 and Term 2. 🔗🔗
  - Giver Award (Awarded to the trainee who is voted as the most helpful person). 🔗
- **100% Merit Scholarship:**
  Awarded 100% Merit Scholarship twice at East West University for maintaining a CGPA of 3.90 over three consecutive semesters.

- **2nd position in "Semester Break Contest - Fall 2021"**:
  Secured 2$^{nd}$ position in an intra-university programming contest arranged by East West University Computer Programming Club.

- **Solved 600+ Problems on Different Virtual Judges:**
  Successfully solved over 500 coding problems on various platforms. Here are the links: Leetcode 🔗, Codeforces 🔗 , and Hackerrank 🔗.

- **Gold Labeled Problem Solver on HackerRank:**
  Secured gold label for problem-solving on HackerRank 🔗.

## | Professional Interests 専門的な興味

- Developing ML-integrated applications.
- Mastering the latest AI advancements.
- Designing innovative mobile and web apps.
- Enhancing productivity with Agile methods.

## | Hobbies & Interests 趣味・興味

- Photography and Videography
- Watching Movies and TV/Web Series
- Learning about the latest AIs
- Fitness