ABDULLAH AL TAMIM

H#46, R#13, Merul Badda (DIT Project), Badda, Dhaka
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Professional Skills

- Programming Languages (Python, GO, C, C++, Java)
- Web Development (Django, ReactJS, NodeJS, HTML5, CSS3, Javascript)
- Database Management (Oracle, MySQL, Firebase, MongoDB, SQLite)
- Others (Git, GitHub, UI/UX, ML, Data Analysis)

Achievements

- Awarded **100% Merit Scholarship** for excellent academic performance
- Solved **over 500 problems** on different coding platforms
- Participated **ICPC Asia Dhaka Regional Site Online Preliminary Contest** (EWU_error_makers)
- Secured **2nd position in "Semester Break Contest"** arranged by EWU Computer Programming Club.
- Certificate for clearing the assessment on **SQL (Intermediate)** on HackerRank.
- **Gold Labeled Problem Solver** on HackerRank.

Education

Bachelor of Computer Science and Engineering *2020.1-2024.1*
East West University **CGPA: 3.88/4**

Work Experience

Undergraduate and Graduate Teaching Assistant *2022.4-2024.5*
East West University

- Job Responsibilities:
  - Courses Assisted: Object Oriented Programming, Algorithms, Database Systems, Artificial Intelligence, Software Engineering, Information System Analysis and Design
  - Tutored students individually and in groups to help them grasp difficult concepts and project work.
  - Evaluated assignments and lab tests and gave detailed feedback.
- Technologies Used:
  - C++, Java, Python, Django, Oracle DB, MySQL, SQLite, HTML, CSS (Bootstrap), Javascript

Remarkable Personal and Academic Projects

Project Description	Technologies Used	My Role
Project Title: Online Railway Ticket Reservation System **Project Overview:** • **Choosing Seats:** manually select or automatically choose empty seats for the next 10 days • **Payment System:** make payments for the tickets • **Receiving e-Ticket:** instantly download the e-ticket and receive the ticket via email • **User profile:** Every user can see their journey history and upcoming journeys on their profile • **Admin Panel:** Admins can change train schedules, add/remove trains and new stoppages.	**Backend:** Django Rest API, Python, Django **Frontend:** HTML, CSS, Bootstrap, Javascript **Database:** Oracle DB	**MY Role:** Fullstack Developer **Name of Part:** ·Manage the full project as the team lead. ·Worked both on frontend and backend services

Project Description	Technologies Used	My Role
Project Title: Decoding Object Shapes from EEG Signals of the Brain **Project Overview:** The aim of this project is to classify and identify object shapes through touch, using brain signals without relying on visual input. • Signal to Image Conversion: To leverage the capabilities of deep learning models, we converted the brain signals into images. • Stacked Ensembling: We utilized a stacked ensemble of three YOLOv8 models with a Random Forest classifier to enhance the accuracy of object classification. • Accuracy: Our final model achieved a 94% test accuracy on our dataset, significantly outperforming related works. **Total Number of Members: 4**	**Models:** YOLO V8, ResNet50, VGG19, Random Forest **Python Libraries:** Pandas, Numpy, Matplotlib, Seaborn, Tensorflow **Others:** Continuous Wavelet Transformation (CWT), Fast Fourier Transformation (FFT)	**My Role:** Team Leader **My Contribution:** ·Built the Deep Learning models ·Transformed signals into images using CWT and FFT Volunteered during data collection
Project Title: Face Attendance System **Project Overview:** This system takes the attendance of registered users automatically by scanning their face • **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." • **MediaPipe:** It utilizes the Google MediaPipe library to recognize the faces of the users.	**Programming Language:** Python **Database:** Firebase	**My Role:** Developer. (Personal Project)
Project Title: LisTog **Project Overview:** This project provides an environment for listening to music together in a virtual room. • **Create or Join Room:** Users can create or join a room and listen to music together • **Control Music:** Control playback (pause, play) if they are given permission • **Vote to skip:** Users can give Votes to skip a song **Next goal:** Incorporate the video streaming co-watching feature. **Progress:** 70%	**Backend:** Django Rest API, Python, Django, Spotify Web API **Frontend:** HTML, CSS, React JS **Database:** SQLite	**My Role:** Fullstack Developer. (Personal Project)

Professional Interests

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

Languages

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