ABDULLAH AL TAMIM

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

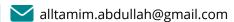
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+8801757-751284





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

East West University

2020.1-2024.1

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:
 - o 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. 	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
Total Number of Members: 4		
 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 Ø 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 Al advancements.
- Designing innovative mobile and web apps.
- Enhancing productivity with Agile methods.
- Developing ML-integrated applications.