

Kazi Md. Al-Wakil

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EDUCATION

BRAC University <i>Bachelor of Science in Computer Science</i> CGPA: 3.98/4.00 Thesis: Recommendation System for Mood Stabilization using Content Recommendation	Dhaka, Bangladesh May 2019 – Aug. 2023
St. Joseph Higher Secondary School & College <i>Higher Secondary Certificate (HSC)</i> GPA: 4.67/5.00	Dhaka, Bangladesh July 2016 – May 2018
Government Laboratory High School <i>Secondary School Certificate (SSC)</i> GPA: 5.00/5.00	Dhaka, Bangladesh Jan. 2006 – Apr. 2016

EXPERIENCE

Undergraduate Teaching Assistant <i>BRAC University</i> <ul style="list-style-type: none">Assigned Courses:<ul style="list-style-type: none">* CSE110: Programming Language I CSE111: Programming Language II	June 2022 – Present Dhaka, Bangladesh
Content Writer <i>Course Platoon</i> <ul style="list-style-type: none">Provided educational contents for all kinds of studentContributed in writing qualitative blog postsResearched on trending topics	2020 – 2021 Dhaka, Bangladesh
Content Writer <i>Light Of Hope</i> <ul style="list-style-type: none">Explored methods to write a content in a interesting wayDeveloped critical thinking abilityContributed in writing qualitative contents	2017 – 2019 Dhaka, Bangladesh

PROJECTS

Building a Computer Network <i>Cisco Packet Tracer</i> <ul style="list-style-type: none">Developed a full computer network from scratchAssigned IP addresses by both Manually and with the help of DHCP serverCreated primary, secondary and default routesCreated web server and email serversEach node was connected with each other either directly or indirectly	Feb. 2023 – April. 2023
Wildfire Prediction Using Machine Learning <i>Pandas, Matplotlib, Scikit-learn</i> <ul style="list-style-type: none">Developed a system to predict the confidence of the forestUsed KNN, Decision Tree, Random Forest, SVM, Linear Regression, ADABOOSTEvaluated the models using Root Mean Square Error	Feb. 2023 – April 2022
Rent at BRACU <i>PHP Laravel Framework, MySQL Database, HTML, CSS, JavaScript</i> <ul style="list-style-type: none">Developed a full-stack web application where students, faculties, staffs of BRAC University can Rent anythingPHP Laravel framework used for the whole project and HTML, CSS as the frontendUsed Test-First-Development approach	Sept. 2022 – Dec. 2022

Designing a 4-bit ALU to perform 4 different operations <i>Verilog</i>	Sept. 2022 – Dec. 2022
<ul style="list-style-type: none"> Developed a system which can perform ADD, SUB, XNOR, NAND operations The system is constructed using Verilog 	
Diabetic Detection Using Machine Learning approach <i>NumPy, Scikit-learn, Pandas</i>	May 2022 – Sept. 2022
<ul style="list-style-type: none"> Developed a system to detect Diabetics among female patients Used Machine Learning Approach Used Decision Tree, Random Forest, K-Nearest Neighbor 	
Arduino based High Security Car Parking System <i>C++, Hardware Based</i>	May 2022 – Sept. 2022
<ul style="list-style-type: none"> Developed High security Car Parking System Used Fingerprint as the main factor of Security Implemented hardware based System as well as theoretical 	
Football Club Management System <i>PHP, MySQL Database, HTML, CSS, JavaScript</i>	Oct. 2021 – Jan. 2022
<ul style="list-style-type: none"> Developed a full-stack web application with PHP along with MySQL and HTML, CSS as the frontend Implemented a system where data is user-driven 	

RESEARCH WORKS

EEG Based Mood Detection and Stabilization Using Content Recommendation	Sept. 2022 – Present
<ul style="list-style-type: none"> Developing a content recommendation system after detecting a person's mood through EEG-Signal 	

TECHNICAL SKILLS

Languages: Java, Python, Verilog, SQL, HTML/CSS, LaTeX, Markdown, PHP, Bash
Frameworks & Libraries: Laravel, Pandas, NumPy, Matplotlib, Seaborn, Tensorflow, Scikit-learn
Developer Tools: Overleaf, Git, VS Code, PyCharm, NetBeans, Notepad++, Quartus, Microwind, Google Colab, MS Office, Jupyter Notebook, Google Suite
Hardware Interfacing: Arduino Uno, Raspberry Pi 4
Other Software: Adobe Photoshop, Adobe Illustrator, Wondershare Filmora, Audacity, OBS

EXTRACURRICULAR ACTIVITIES

Head of Photography	2017 – 2018
<i>Josephite Eco Earth Club</i>	<i>Dhaka, Bangladesh</i>
Volunteer	2016 – 2017
<i>Scars</i>	<i>Dhaka, Bangladesh</i>
Executive Committee Member	2014 – 2016
<i>English Club of the Laboratorians</i>	<i>Dhaka, Bangladesh</i>

ACHIEVEMENTS

Merit Scholarship Based on BRACU Academic Results	Jan 2021 – Aug 2023
<i>BRAC University</i>	<i>Dhaka, Bangladesh</i>
<ul style="list-style-type: none"> 75% waiver on Tuition Fees on every semester 	
Vice Chancellor's List and Dean's List Award	Aug 2023
<i>BRAC University</i>	<i>Dhaka, Bangladesh</i>
<ul style="list-style-type: none"> Got placed on VC's List for 8 semesters as recognition of achieving a GPA of 3.90-4.00 on those particular semesters Got placed on Dean's List for 1 semester as recognition of achieving a GPA of 3.70-3.89 on that particular semester 	