Kazi Md. Al-Wakil

306/B, South Paikpara, Pirerbag, Amtola, 60 feet, Agargaon, Dhaka-1216, Bangladesh
+8801303733627 | kazimdalwakil@gmail.com | Website: kazimdalwakil.github.io
LinkedIn: in/kazimdalwakil | Github: kazimdalwakil

EDUCATION

BRAC University — Dhaka, Bangladesh
Bachelor of Science in Computer Science — *May 2019 – September 2023*

CGPA: 3.98/4.00
Thesis: Recommendation System for Mood Stabilization using Content Recommendation

St. Joseph Higher Secondary School & College — Dhaka, Bangladesh
Higher Secondary Certificate (HSC) — *July 2016 – May 2018*

Government Laboratory High School — Dhaka, Bangladesh
Secondary School Certificate (SSC) — *Jan. 2006 – April 2016*

EXPERIENCE

Software Engineer — March 2024 – Present
mPower Social Enterprises Ltd. — *Dhaka, Bangladesh*

- Developed and maintained full-stack applications using Typescript, Node.js, and React.js within an agile team.
- Worked closely with design and product teams to translate wireframes and mockups into responsive, interactive features.
- Optimized components for maximum performance across devices and browsers.

Software Engineer Intern — October 2023 – February 2024
mPower Social Enterprises Ltd. — *Dhaka, Bangladesh*

- Collaborated with team members on technical solutions and troubleshooting issues.
- Participated in code reviews and contributed to overall code quality by maintaining best practices.

Undergradute Teaching Assistant — June 2022 – September 2023
BRAC University — *Dhaka, Bangladesh*

- Assigned Courses:
  * CSE110: Programming Language I | CSE111: Programming Language II

PROJECTS

Building a Computer Network | *Cisco Packet Tracer* — February 2023 – April 2023

- Developed a full computer network from scratch
- Assigned IP addresses by both Manually and with the help of DHCP server
- Created primary, secondary and default routes
- Created web server and email servers
- Each node was connected with each other either directly or indirectly

Wildfire Prediction Using Machine Learning | *Pandas, Matplotlib, Scikit-learn* — February 2023 – April 2023

- Developed a system to predict the confidence of the forest
- Used KNN, Decision Tree, Random Forest, SVM, Linear Regression, ADAboost
- Evaluated the models using Root Mean Square Error

Rent at BRACU | *PHP Laravel Framework, MySQL Databse, HTML, CSS, JavaScript* — Sept. 2022 – Dec. 2022

- Developed a full-stack web application where students, faculties, staffs of BRAC University can Rent anything
- PHP Laravel framework used for the whole project and HTML, CSS as the frontend
- Used Test-First-Development approach

Designing a 4-bit ALU to perform 4 different operations | *Verilog* — Sept. 2022 – Dec. 2022

- Developed a system which can perform ADD, SUB, XNOR, NAND operations

- The system is constructed using Verilog

Diabetic Detection Using Machine Learning approach | *NumPy, Scikit-learn, Pandas* May 2022 – Sept. 2022
- 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 | *C++, Hardware Based* May 2022 – Sept. 2022
- 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 | *PHP, MySQL Database, HTML, CSS, JavaScript* Oct. 2021 – Jan. 2022
- 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
- Developing a content recommendation system after detecting a person's mood through EEG-Signal

TECHNICAL SKILLS

Languages: JavaScript, Java, Python, HTML/CSS, LaTeX, Markdown
Frameworks & Libraries:Pandas, NumPy, Matplotlib, Seaborn, Tensorflow, Scikit-learn
Developer Tools: Overleaf, Git, VS Code, PyCharm, NetBeans, Google Colab, MS Office, Jupyter Notebook, Google Suite
Other Software: Adobe Photoshop, Adobe Illustrator, Wondershare Filmora, Audacity, OBS

EXTRACURRICULAR ACTIVITIES

Head of Photography   2017 – 2018
Josephite Eco Earth Club   *Dhaka, Bangladesh*

Volunteer   2016 – 2017
Scars   *Dhaka, Bangladesh*

Executive Committee Member   2014 – 2016
English Club of the Laboratorians   *Dhaka, Bangladesh*

ACHIEVEMENTS

Merit Scholarship Based on BRACU Academic Results   January 2021 – September 2023
BRAC University   *Dhaka, Bangladesh*

- 75% waiver on Tuition Fees on every semester

Vice Chancellor's List and Dean's List Award   September 2023
BRAC University   *Dhaka, Bangladesh*

- Got placed on VC's List for 7 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

Completed Bachelor's with Highest Distinction   September 2023
BRAC University   *Dhaka, Bangladesh*

- Awarded to candidates whose CGPA is 3.80 or higher