

# KAZI SADIA

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## CARRIER OBJECTIVE

I'm seeking a role in Electronics/VLSI field, where I can contribute my knowledge and skills effectively. Additionally, I have a passion for Front-end Web Development (HTML, CSS, JavaScript, React-js).

## EXPERIENCE

### FREELANCE WEBSITE DESIGNER

DESIGN AND BUILD RESPONSIVE WEBSITE (FRONT-END PART)

JUNE 2021 - AUGUST 2021

### VENDOR MANAGER, STYLMAP

MAINTAIN VENDORS AND PRODUCTS AND UPLOAD THEM ON STYLMAP WEBSITE

## SKILLS

- Circuit Simulation: Pspice, LTSpice, Proteus, Quartus
- VLSI Systems: Microwind, Cadence Design Suite (Basic)
- TCAD: Silvaco (Atlas, Tonyplot)
- Programming Languages: Verilog, C, Python, Js
- Front-end Web Development using HTML,CSS,JS,BOOTSTRAP, REACT-JS and WORDPRESS
- Graphic and PowerPoint Design
- Others : AutoCAD, Microsoft Office Word, PowerPoint, Excel
- Team Leadership
- Time Management
- Self-Motivated
- Dedicated
- Strong work ethics
- Quick learner

## PROJECTS

### POTABLE HEART-MONITORING ELECTROCARDIOGRAM DEVICE(CAPSTONE PROJECT) :

**Description :** Design a 3-Lead Portable Heart-Monitoring Device where it can measure up to 12-lead by changing the electrode position.

### AUTOMATIC POWER FACTOR CORRECTION :

**Description :** Design and simulate APFC using PIC16F877A for industrial purpose.

### SPEECH RECOGNITION SYSTEM :

**Description :** Developed a speech recognition system using MATLAB, showcasing the ability of accurately interpret the given spoken commands.

## ELECTRICAL SERVICE DESIGN FOR STUDIO APARTMENT :

**Description :** Developed comprehensive electrical service design for a 300 sq. ft. studio apartment utilizing AutoCAD, ensuring optimal functionality and safety. Integrated lighting, outlets, and electrical systems to meet specific and energy efficiency requirements.

## CERTIFICATIONS

- Responsive Website Basics: Code with HTML, CSS, and JavaScript offered by COURSERA.
- Interactivity with JavaScript offered by COURSERA.
- Technical Support Fundamentals offered by COURSERA

Certifications Link: [https://drive.google.com/drive/u/4/folders/1ZX23dRwpwizHNE8kFtLQgvf\\_465RsoFD](https://drive.google.com/drive/u/4/folders/1ZX23dRwpwizHNE8kFtLQgvf_465RsoFD)

## INDUSTRIAL TRAINING

### PROFESSIONAL VLSI TRAINING ON VERIFICATION, VLSI TRAINING ACADEMY(VTA)

Topics Covered - HDL - Verilog - HVL - System Verilog - Test algorithm development - Assertions - Functional coverages - Object oriented programming - UVM - Constrained random test - Environment – Regression

Training Duration – 26 October,2023 - 26 January,2024

## ACHIEVEMENT

- Merit Scholarship Certificate\_SPRING-2019 ( East West University)
- 21st Century Employability Skills Development Program-2022 (Wadhwani Foundation)

## EXTRACURRICULAR ACTIVITIES

- Co-Ordinator, **EWU ROBOTICS CLUB**, Manage capability of club members and event.
- Participated on **EWU INTRA MUN 2019** Debate Competition
- Participated on “**Call for Extended Abstract**”, IEEE Computer Society Bangladesh Chapter Summer Symposium 2023, Islamic University, Kushtia, Bangladesh

## EDUCATION

JANUARY 2019 – SEPTEMBER 2023 (4 YEARS)

**BSC IN ELECTRICAL AND ELECTRONIC ENGINEERING**, EAST WEST UNIVERSITY

●COURSES: VLSI CIRCUITS AND SYSTEMS, COMPUTER NETWORKS, EMBEDDED SYSTEMS, INTRODUCTION TO MACHINE LEARNING, SEMICONDUCTOR PROCESSING AND FABRICATION AND POWER STATIONS

CGPA: 2.66/4.00

AUGUST 2016 – MAY 2018 (2 YEARS)

**HIGHER SECONDARY CERTIFICATE**, VIQARUNNISA NOON SCHOOL AND COLLEGE

SCIENCE | GPA: 5.00/5.00

JANUARY 2015 – APRIL 2016 (1 YEAR)

**SECONDARY SCHOOL CERTIFICATE**, VIQARUNNISA NOON SCHOOL AND COLLEGE

SCIENCE | GPA: 5.00/5.00