

MD. ABU BAKAR SIDDIQUE SADI

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PROFESSIONAL SUMMARY

Frontend developer and AI engineer with an MSc in Computer Science and a published research background in Deep Learning. Experienced in building production-ready web applications using React, Angular, and Node.js, as well as developing intelligent systems leveraging GANs and machine learning. Demonstrated ability to bridge research and real-world product engineering. Recognized as a Top 10 Finalist at Digital Bangladesh Mela 2023. Seeking a challenging role where technical depth and user-centric design can drive meaningful impact.

EXPERIENCE

Web Developer

2025 – Present

Imagiccreation

Dhaka, Bangladesh

- Spearheaded development of high-conversion landing pages and complex ERP dashboard interfaces, directly improving client business outcomes.
- Engineered end-to-end Playwright automation suites for UI testing and scraping pipelines, reducing manual QA effort significantly.
- Collaborated closely with design and product teams to deliver pixel-perfect, responsive interfaces on schedule.

Teaching Assistant

May 2021 – Aug 2021

American International University-Bangladesh (AIUB)

Dhaka, Bangladesh

- Assisted faculty with classroom management, document coordination, and maintaining a positive learning environment.
- Supported student academic growth through tutoring, review sessions, and one-on-one guidance.

EDUCATION

Master of Computer Science

2023 – 2024

American International University-Bangladesh (AIUB)

Dhaka, Bangladesh

- CGPA: 3.61 / 4.00
- Advanced coursework in Algorithm Design and Applied Machine Learning; research focus on Deep Learning and computer vision.

Bachelor of Computer Science

2019 – 2023

American International University-Bangladesh (AIUB)

Dhaka, Bangladesh

- CGPA: 3.21 / 4.00
- Strong foundation in software engineering, data structures, and programming paradigms.

Higher Secondary Certificate (HSC)

2017

BAF Shaheen College Tejgaon

Dhaka, Bangladesh

- GPA: 4.75 / 5.00 — Science Group

Secondary School Certificate (SSC)

2015

BAF Shaheen College Tejgaon

Dhaka, Bangladesh

- GPA: 4.50 / 5.00 — Science Group

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, TypeScript, Java, C#

Web Technologies: React, Next.js, Node.js, HTML5, CSS3, Tailwind CSS, Framer Motion, PHP

Databases: MySQL, PostgreSQL

AI & Machine Learning: TensorFlow, Scikit-learn, OpenCV, Pandas, NumPy, GANs

Tools & Platforms: Git, GitHub, Vite, Selenium, Playwright

Concepts: REST APIs, Responsive Design, ATS-Optimized Systems, ML Pipelines, Time Series Forecasting

PROJECTS

- Calbooster** | *Angular, Tailwind CSS, UI/UX Design, Design Systems* 2025
- Architected the complete visual identity and high-performance frontend for a premier SaaS platform, engineering a conversion-optimized user experience with sophisticated typography and a responsive design system.
 - Delivered a production-grade interface with measurable improvements to user engagement metrics; live at home.calbooster.com.
- Business Analytics Dashboard Suite** | *JavaScript, HTML5, Tailwind CSS, Chart.js* 2025
- Developed a comprehensive multi-module analytics suite featuring real-time data visualization for sales performance, delivery tracking, financial management, and product lifecycle analytics.
 - Implemented interactive charts, multi-level target monitoring, conversion rate analysis, accounts receivable tracking, and consumer engagement metrics with actionable alert systems.
- Palette Pal** | *React, JavaScript, Chroma.js, CSS3* 2024
- Engineered a dynamic color-scheme generator for designers, leveraging React Hooks for complex state management across palette creation, saving, and export workflows.
 - Implemented Local Storage persistence to maintain user palettes across sessions and CSS-format export; deployed live at palette-pal.pages.dev.
- Gait Recognition System** | *Python, TensorFlow, OpenCV, Deep Learning* 2023
- Built an advanced biometric identification system that recognizes individuals by walking patterns, implementing silhouette-based feature extraction and deep learning models for high-accuracy person identification across multiple viewing angles.
 - Directly extended published GAN-based research on the CASIA-B dataset; documented at GitHub.

RESEARCH PUBLICATION

- Walking Pattern Recognition Using Generative Adversarial Network** 2022
- *International Journal of Computer Applications (IJCA)* | DOI: 10.5120/ijca2022922510
 - Designed and implemented advanced GAN-based gait recognition algorithms, achieving approximately 62% accuracy on the CASIA-B dataset for biometric identification in uncooperative real-world scenarios.

AWARDS & RECOGNITION

- Top 10 Finalist – Digital Bangladesh Mela 2023** 2023
- Developed an innovative digital teaching prototype delivering real-time visual feedback to enhance learning for elementary students, competing among hundreds of national teams.