

Syed Mehedi Hussain

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EDUCATION

Independent University, Bangladesh

B.Sc. in Computer Science

Dhaka, Bangladesh

2023 – Present

EXPERIENCE

Freelance Website Developer

Full-Stack Developer

Remote

2024 – Present

- Build and deploy responsive websites and e-commerce solutions for small businesses
- Maintain, optimize, and scale client web applications post-launch

PROJECTS

SANDBOX Web App

Solo Developer

React, TypeScript, Vite, Tailwind CSS, IndexedDB

2025

- Built a browser-based runner for AI-generated mini-apps — loads JSX/TSX/HTML files into sandboxed iframes, transpiles in-browser with Babel, auto-fetches npm packages from a CDN allowlist, and caches everything in IndexedDB with no backend required
- Implemented multi-layered browser security: separate iframe origin, sandbox="allow-scripts", CSP, and postMessage validation to safely execute arbitrary AI-generated code

SSH Portfolio

Solo Developer

Go, SSH, TUI (Charm)

2025

- Built a terminal-style developer portfolio accessible over SSH, presenting projects, skills, and contact info through a fully interactive TUI experience

Paper Mill Operator

Solo Developer

Java, JavaFX, PostgreSQL

2024

- Built a desktop task management system for paper mill factory operations, enabling workers and supervisors to assign, track, and manage operational tasks efficiently

E-Learning Platform

Solo Developer

PHP, MySQL, Bootstrap

2024

- Developed a web platform for hosting online classes, supporting course creation, student enrollment, and content delivery

Sorting Algorithm Visualizer

Developer

Python, Pygame

2024

- Interactive real-time visualization tool demonstrating sorting algorithms (Bubble, Merge, Quick Sort, etc.) with animated bar graphs and step-by-step execution

SKILLS

Languages: Python, JavaScript, TypeScript, Java, SQL, Go

Frontend: HTML/CSS, React.js, Tailwind CSS, Babel, Vite

Backend: Node.js, PHP, MySQL, PostgreSQL

DevOps & Tools: Git/GitHub, Linux, Docker, SSH

Specializations: System Design, Full-Stack Web Development, AI-Assisted Development

Other: English (Professional Fluency)