

MD ABID SARKAR

Full stack Developer- MERN Stack

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- Aftabnagar , Badda, Dhaka

Summary

Passionate and detail-oriented Full Stack Developer with experience in React, Redux, Tailwind CSS, and REST APIs. Skilled in building interactive web applications, managing state efficiently, and optimizing user experience. Strong problem-solving abilities with a background in Computer Science Engineering. Experienced in working with APIs, Firebase, MongoDB, Express.js, and Node.js. Developed multiple projects and deployed them using cPanel, Render, and Vercel.

Education

East West University

B.Sc. in Computer Science and Engineering | GPA: **3.13** / 4.0

A, 2 Jahurul Islam Ave, Dhaka

2020 - 2024

Skills

Frontend: HTML · CSS · JavaScript · React · Redux · Tailwindcss · UI library

Backend: NodeJS · MongoDB · Express.js (Middleware · Routing) · Firebase

Tools & Technique: Scrum methodologies · Git & GitHub · Hosting

Projects

Employee Management System (EMS) App

<https://ems.abidsarkar100.xyz/>

Tech Stack: React.js, Redux Toolkit, Tailwind CSS, Node.js, Express.js, MongoDB

- A web-based EMS that allows **admins to manage employees, assign tasks, and track progress** in real-time
- Features include **role-based access, CRUD operations, and real-time data sync** using MongoDB.
- Built with **React.js for the frontend, Redux Toolkit for state management, and Express.js for the backend**, ensuring a responsive and scalable solution.

JavaScript Project-Hub

<https://javascript-project.abidsarkar100.xyz/>

Tech Stack: React.js, Redux Toolkit, Tailwind CSS, Express.js, MongoDB, Cloudinary

- A **platform for new developers to explore and practice mini JavaScript projects**
- Users can **search** projects by **title, sort** by difficulty level, **view** source code, and access **live demos**
- Users can **upload** their projects from the upload path.
- **Redux** for state management, **Express.js** for the backend, and **MongoDB** and **Cloudinary** for data storage.

Code Vault - A code snippet management app

<https://code-vault-eight.vercel.app>

Tech Stack: React.js, Redux, Tailwind CSS, local storage

- A **code snippet management app** that allows users to **store, search, and categorize code snippets** efficiently
- Features include **search snippet by title**, **CRUD** operation in snippet
- Built with **React.js** for the frontend, **Redux** for state management, and **Local Storage** for secure data storage.

Research Experience

Advancing Delay-Tolerant Networking: ML, Real-World Applications, and Automated Data Processing

01/2023 - 01/2014

- *ML-Based Routing Optimization:* Developed and implemented innovative ML algorithms to significantly improve data delivery efficiency and reliability in DTN environments.
- *Real-World Application Development:* Designed and built an Android application to enable practical DTN communication, empowering users to leverage their devices as mobile nodes.