Abdullah Al Mamun

Full Stack Developer

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📅 18/02/1998 ○ GitHub 🔗 Portfolio in LinkedIn R^G ResearchGate

📁 Projects

Flash Cards ⬈
- Pre-defined Q/A flashcards and has progress bar
- Ability to view flashcards one at a time and flip to reveal the answer
- Simple navigation to cycle through the flashcards

Technologies Used: React, and Tailwind CSS

Shakespeare Play Viewer ⬈
- Shows different scenarios from different acts using an external API
- Responsive, interactive and has too complex logic
- The focus is on functionality and interactivity, not design

Technologies Used: JavaScript, HTML, and CSS

Personal Portfolio 2 ⬈
- Clean, minimal, interactive, and responsive UI/UX
- Layout reverses and some features are hidden based on screen size
- Both JavaScript and Bootstrap form validation

Technologies Used: Bootstrap, JavaScript, and Sass

Task Management API 3 ⬈
- CRUD operations with pagination and case-insensitive search
- Data validation and offensive language filtering
- Modular route, error handler middleware, and MongoDB storage

Technologies Used: Node.js, Express.js, MongoDB, and RESTful APIs

🧠 Skills

Frontend
HTML • CSS • Sass (SCSS) • Tailwind CSS • Bootstrap • JavaScript • React • jQuery • Vite

Backend
Node.js • Express.js • EJS • Pug • PostgreSQL • MongoDB • RESTful APIs • JWT Auth

Core CS
OOP (C++) • Data Structures • Algorithms • Database Systems • Operating Systems • Computer Networks • Digital Logic Design

Miscellaneous
Git & GitHub • npm • Linux • Bash • C • Assembly • LaTeX

</> Competitive Programming

- Solved 180+ LeetCode ⬈ problems
- Solved 470+ CodeChef ⬈ problems and maximum rating is 1410 as of my 4th contest
- Solved 190+ Codeforces ⬈ problems
- Ranked 10 at Roadway to IEEEXtreme: Programming Contest - 02 ⬈
- Solved 500+ problems using C, C++, and JavaScript from various sources (e.g. OJ, Books etc.)

Note that, I have used C++ mostly while solving CP problems.

📖 Publications

NewBreeze: A Comprehensive Solution to a Beginner-Friendly Arch Linux Distribution with Zen Kernel ⬈
Springer Nature
- I was the first author of this paper
- It only had 3% of plagiarism error
- This paper was presented at TEHI 2023 conference held at IIT, JU, Bangladesh

🎓 Education

BSc in ECE   02/2018 – 08/2023
Institute of Science, Trade, and Technology ⬈   Dhaka, Bangladesh