

PERSONAL INFO



House 2, Road 2, Nirala
Residential Area, Khulna.



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EDUCATION

BSc Honors (Physics)

Khulna University, Khulna.

2017 - 2022

SKILLS

Frameworks/Libraries

Laravel

Nuxt/VueJS

Adonis/NodeJS

Express/NodeJS

Flutter

Languages

PHP, JS/TS, HTML/CSS, C/C++, Dart

Industrial

Microcontroller, PCB Design

REFERENCES

Farhat Shahir Zim

DSI Ltd./ Backend Engineer

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MOHAMMAD ALI

SOFTWARE ENGINEER

I am **Mohammad Ali**, a self-taught programmer. It was really hard to carry motivation. But love for coding, taking on new challenges and solving problems always push me up to my next milestone.

Currently, I am working on **Nuxt/VueJS** and **Adonis**. Before that, I worked on **NodeJS**(Express and WebSocket) for 1 years and **Laravel** for 3 years and did some cool projects with that. In the meantime, I did some local projects based on Laravel.

PROJECTS



Pathfinder Algorithm Visualizer

[App](#) , [Source Code](#)

A visual representation: how pathfinder algorithm works.

Stack: Vanilla.JS

- 6 algorithms: Dijkstra, A* Search, Greedy Best First Search, Swarm, Convergent Swarm, Bi-directional Swarm.
- Wall and weight adding or removing.
- Maze Solving.



Sorting Algorithm Visualizer

[App](#) , [Source Code](#)

A visual representation: how Sorting algorithm works.

Stack: Vanilla.JS

- 6 algorithms: Merge Sort, Quick Sort, Bubble Sort, Selection Sort, Insertion Sort, Heap Sort.
- Binary Tree representation for Heap Sort Algorithm.
- Custom input option.



Character Reader Engine

[App](#) , [Source Code](#)

Fully custom built. It can read numbers written on the screen.

Stack: Vanilla.JS

- 4 strokes or steps to identify digits:
 - height width ratio stroke,
 - center of mass ratio stroke,
 - pixel density ratio stroke
 - center to edge distance ratio stroke.
- Can read multiple digits together.



Multi-vendor Ecommerce Site

[Source Code](#)

A visual representation: how Sorting algorithm works.

Stack: Vanilla.JS

- 6 algorithms: Merge Sort, Quick Sort, Bubble Sort, Selection Sort, Insertion Sort, Heap Sort.
- Binary Tree representation for Heap Sort Algorithm.
- Custom input option.