

ATUL KUMAR MACHAL

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EDUCATION

INDIAN INSTITUTE OF INFORMATION TECHNOLOGY

Bachelor of Technology, Computer Science and Engineering

Jabalpur, MP

May 2024

PROJECTS

E-COMMERCE WEBSITE- TRENDERS

July 2022

- Developed the entire full-stack responsive e-commerce website, user signup via Gmail with online payment gateway.
- Advanced with user-friendly CRUD app with filters available to search products easily.
- Admin page to add new, edit and delete products easily and reduces work of admin by 50-60%.
- Implemented using 5+ technologies like MongoDB, Express, React, Node, Bootstrap.

VIRTUAL STOCK MARKET

March 2022

- Designed a CRUD based web app which works as a virtual stock market allowing users to use virtual money to buy stocks in real markets.
- Developed functionalities to buy stock, view purchase history and current prices of stocks in market upon registration.
- Together with the team, further fixed and optimized the code to be 30-40% faster and presented data in a more usable format as trading progressed.
- Implemented using 5+ Technologies like Mongo DB, Express, React, Node, REST APIs.

CODING BLOCKS

December 2021

- Implemented using 5+ technologies like Node-JS, Bootstrap, My-SQL CSS, HTML.
- A fully responsive web application like Geeksforgeeks in which user can sign-up via Gmail.
- Users can write articles and search any article and the search bar reduces the time to search by 40%.
- The UI is kept simple and clean which increase the efficiency of code which makes the website to work 20-30% faster.
- Admin portal to make others user admin, for approving articles all done in simplified to decreases work of admin by 50-60%.

TECHNICAL SKILLS

- **Programming Languages:** C, C++, SQL, HTML, CSS, JavaScript.
- **Tools/Frameworks:** STL, React.js, Mongo-DB, Node-JS, Bootstrap, Vanilla JS
- **Concepts:** Data Structures and Algorithms, DBMS, OOPS, Operating System, Computer Network

ACHIEVEMENTS

- Solved 200+ questions on Leetcode
- Score 600 out of 800 in first Codeshef contest.

POSITION OF RESPONSIBILITIES

- Active member of Chess Club of IIITDM Jabalpur.