Vishwas Agarwal

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EDUCATION

JECRC FOUNDATION
B.TECH IN COMPUTER SCIENCE
September 2021 - Present | Jaipur, Rajasthan, India
GPA - 8.5/10.0

EKLAVYA INTERNATIONAL ACADEMY
12TH CBSE
April 2019 - March 2020 | Jaipur, Rajasthan, India
Percentage - 88.2

EKLAVYA INTERNATIONAL ACADEMY
10TH CBSE
April 2017 - March 2018 | Jaipur, Rajasthan, India
Percentage - 90.2

TECHNICAL PROJECTS

E-COMMERCE STORE | REACTJS, NODE.JS, MONGODB, EXPRESS.JS, MONGOOSE.JS
December 2023
- Authentication: Authentication is done using JSON Web Tokens (JWT).
- Logged-in users: Only logged-in users can buy items.
- Admin functions: Admins can add, edit, view, and delete items in the store.
- Customer functions: Customers can add and remove items from the cart.
- Total bill: The total bill of the cart is displayed and updated when the user updates the cart.

INOTEBOOK | REACTJS, NODE.JS, MONGODB, EXPRESS.JS, MONGOOSE.JS
June 2023
- User registration, login, and logout functionality to allow users to create accounts and securely access their notes.
- Users should be able to create new notes, view their existing notes, edit notes, and delete notes.
- Hashing and salting passwords to make the Application more secure.

FILE ZIPPER | C++, HUFFMAN CODING
January 2024
- Huffman coding is a data compression technique that's used in many applications, including ZIP files, JPEG, and MPEG-2. It's a lossless compression algorithm that assigns variable-length codes to each character. A Huffman tree is constructed, and Huffman codes are generated for each symbol. These variable-length codes are used to compress the original file, reducing its size. Huffman coding is independent of the data type, meaning the data could represent an image, audio, or spreadsheet.

SUDOKU SOLVER | C++, BACKTRACKING
March 2023
- The C++ Sudoku solver project focuses on efficiently solving 9x9 Sudoku puzzles using a backtracking algorithm. The recursive function, driven by backtracking, navigates through potential solutions until a valid one is found. Each cell is tested for a valid number, moving "back" when there is a violation, and moving forward again until the puzzle is solved.

SKILLS

TECHNICAL SKILLS
Proficient With:
C/C++ • Python • HTML5 • CSS3 • Javascript • Web Development • Mysql • Tailwind.css • Reactjs • Node.js • Express.js • Mongoosejs • MongoDB • Git • Github • Machine Learning • Artificial Intelligence • Graphic Designing • Figma • Canva • Adobe Photoshop
Strongest areas:
• Data Structures • Algorithms • Object Oriented programming • C++ • Reactjs • Node.js • Express.js • mongoose.js • MongoDB

CERTIFICATIONS

DEVTOWN
• Full stack development using MERN
• Scalable NoSQL for data-intensive apps and dynamic content.
• Streamlines backend, efficient API framework.

GOOGLE CLOUDSOURCE
• Completed google cloud QWIKLABS

UPFLAIRS
• Machine Learning and Pattern Recognition
• Data Analysis using Python
• Probability modelling using Python

RESPONSIBILITY

SIH'23
• Co-lead in Back-end coding and Graphics designing domain.

INTERESTS/HOBBIES

• Sports: Table Tennis, Badminton
• Drawing and Graphic Designing
• Reading Books and Novels

LINKS

| Github | Linkedin | Portfolio | Leetcode |