Kaustubh Agrawal

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EDUCATION

Thapar Institute of Engineering and Technology, Patiala, Punjab   2021-Present
Bachelor of Technology in Electronics and Communication   CGPA: 8.16

Sri Chaitanya Techno School, Vishakhapatnam, Andhra Pradesh   2021
Higher Secondary Schooling(Class XII)   95.6%

Gyan Jyoti Awasiya Vidyalaya, Arrah,Bihar   2019
Secondary Schooling(Class X)   91%

PROJECTS

Karalambana

Project Link
A web-based program that facilitates the donation of unused, non-expired medications by individuals to those in need, either through NGOs or by direct means.
Technologies: *HTML, CSS, Bootstrap, AngularJS, JavaScript, JSON, MySQL, NodeJS, ExpressJS and AJAX*

- Successfully registering and verifying the user as a donor or needy.
- Users may donate useful medicines to NGOs or raise a bar for available medicine.
- As needy, one may avail medicines from respective donor nearby.

Line Follower

An Arduino-based intelligent line follower robot which tracks the black line on a surface. After a dry run, it can find the shortest path between the start and destination.
Technologies: *Arduino Uno, LM298 Motor Driver, IR Sensors*

Pathfinding and Visualizer

Built Vanilla Js application for visualizing pathfinding and maze generation algorithms. Implemented 9 different algorithms and co developed unique path finding algorithms based on A* search and Dijkstra's Algorithm

iNoteBook App

Built a MERN stack application for storing, modifying and deleting notes. Implemented these functionality through CRUD operatiions using ReactJS as frontend , NodeJS and ExpressJS as mediator and MongoDB Compass for backend

Additional Project

Project Link

- Tic-Tac-Toe, Snake in the Maze, Calculator (HTML, CSS, JavaScript), Weather App (NodeJS) and Denoising audio (MATLAB)

SKILLS

Languages and Framework: C/C++, JavaScript, ReactJS , NodeJS , HTML/CSS, MySQL, ReactJS, JSON, JQuery, AJAX, ExpressJS.
Developer Tools: VS Code , Thunderclient , MongoDB Compass.
Courseworks: Operating Systems, Database Management System, OOPS, Data Structures and Algorithms.

TRAINING AND CERTIFICATION

- Completed certified programming training in C/C++, Java/JavaFX, DSA, Full Stack and MERN Stack from Banglore Computer Education mentored under the author of "REAL JAVA" by Mr. Rajesh Bansal.

VOLUNTEER WORK

Kalam and Pratigya   Patiala, Punjab
Volunteered as a tutor for poor kids.

PROFILE LINKS

- ∗   LeetCode   ∗   GeeksforGeeks   ∗ Portfolio