

Anshul Kanwar

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Education

May 2021 Bachelor of Technology, Computer Science, Thapar Institute of Engineering and Technology, Patiala, Punjab

Ch. Balbir Singh Public School, Hoshiarpur, Punjab

Mount Carmel School, Hoshiarpur, Punjab

Skills

Languages

Rust • Javascript • Python • Swift • C++ • SQL

Technologies

React • Node.js • Gatsby • Next.js • SwiftUI • OpenGL

Projects

Simulation of Planetary motion between two bodies (C++/OpenGL)

- ❖ Use of Newton's law of universal gravitation to determine the motion of planet.
- ❖ Used GLM library for mathematics and GLFW as graphics library.

Nutrition Planner (React/Django)

- ❖ Log and track your daily intake through the web app.
- ❖ UI built using TailwindCSS.

Learning Management System (React/Django)

- ❖ A modern implementation of Learning Management System (LMS) with features like doubt forum and Time Table with notifications.
- ❖ User authentication through JSON Web Tokens (JWT).
- ❖ Clean and simple UI to improve readability.

Blockchain Demo (React)

- ❖ An interactive web app built using ReactJS to visually explain the concepts of Blockchain from bottom up.
- ❖ Explains concepts like Hashing, Blocks, Blockchain, Transactions.

Fthapar (Rust)

- ❖ A CLI app to check if password for an account on University's web-kiosk is correct or not.
- ❖ Built using Rust and Clap.

8 Puzzle Problem Solver (Typescript/React)

- ❖ A web app to solve 8 puzzle problem in Artificial Intelligence (AI) using uninformed searching algorithms like Breadth First Search (BFS), Best First Search (BeFS) and Simple Hill Climbing.
- ❖ 3 Choice of heuristics to choose from; Misplace Tiles, Manhattan distance, Euclidean distance.