

HIMANSHU DHAPOLA

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LinkedIn

GitHub

LeetCode

Education

Graphic Era Hill University

Bachelor of Technology in Computer Science and Engineering | 8.32 CGPA

September 2022 - Present

Uttarakhand

Kendriya Vidyalaya Bantalab

Intermediate

July 2021

Jammu, Jammu and Kashmir

Experience

Freelancer

March 2025

- Developed the **frontend** for **Sandhu Tour and Travels**, a Chandigarh-based **ambulance booking service**, transforming it from phone-based bookings to a modern web platform with an intuitive user interface.
- Optimized the booking process, enabling online ambulance requests and automated admin email notifications, improving communication, accessibility, and achieving a 95 performance score and 91 SEO score to expand the business's online presence.

Projects

EasBy | JavaScript, React.js, Node.js, Express.js, MongoDB, Flask

September 2024

- Designed and developed a scalable **E-Commerce** platform enabling seamless product browsing, personalized recommendations, and secure **user authentication**. The platform integrates an intuitive **frontend** with advanced **backend** functionalities to ensure a smooth shopping experience.
- Implemented efficient cart management, order history, and payment processing using **Stripe**, allowing users to place and complete orders securely, with a responsive design enhancing usability across devices.
- Integrated a **content-based recommendation system** to enhance user engagement by suggesting relevant products based on attributes such as category and user preferences. Improved platform efficiency by achieving a **performance score of 97** and an **SEO score of 83**.

AlgoScheduler | React.js, TailwindCSS, JavaScript, Recharts.js

June 2025

- Developed a web-based simulator that visually demonstrates key **CPU** and **Disk scheduling algorithms** used in **operating systems**.
- Implemented a feature to upload multiple **text files as simulated processes** and apply CPU scheduling algorithms with dynamic gantt chart visualization and performance metrics.
- The application allows users to input custom process and disk request data, visualize scheduling sequences with interactive Gantt and seek charts, and **compare performance metrics** like average waiting time, turnaround time, and seek time across multiple algorithms

DeComp | C++

September 2024

- Implemented **Huffman coding algorithm** for efficient file compression and decompression.
- Designed custom Huffman Tree for encoding text data into binary format and decoding binary data back to text.

Skills

Programming Languages: C/C++, Java, Python, JavaScript and SQL

Tech Skills: HTML5, CSS3, TailwindCSS, React.js, Redux, RESTful APIs, MySQL, Node.js, Express.js and MongoDB

Developer tools: Visual Studio, VS Code, Git, GitHub, Postman, IDE and Debugger

Soft Skills: Time-management, Teamwork, Detail Oriented and Problem Solving

Relevant Coursework

- Data Structures and Algorithms
- Operating System
- Software Engineering
- Database Management
- Object Oriented Programming
- Web Development

Achievements

- IBM Node.js & MongoDB: Developing Back-end Database Applications Coursera — November, 2024
- JavaScript Course With Certification: Unlocking the Power of JavaScript Scaler — October, 2023
- Solved over 400 coding challenges across platforms, achieving a rating of 1500+ on Leetcode.