



GAURAV JAIN

B.Tech 3th Year | Developer | Student

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Driven and passionate computer science student with a strong foundation in problem-solving and a keen interest in emerging technologies. Eager to contribute to innovative projects while further enhancing my technical expertise and practical experience.

SKILLS

Languages	C++, Python, HTML/CSS, Java JavaScript, Bash, C
Databases	MongoDB, PostgreSQL, MySQL, SQLite
Web Dev	React.js, Next.js, Node.js, Express.js, Tailwind CSS
DevTools	Git, GitHub, VSCode, AWS (EC2, S3, Lambda)
Machine Learning & Data Science	Scikit-learn, TensorFlow, Pandas, NumPy, Matplotlib

PROJECTS

Carbon Footprint Tracker (React, Flask, MongoDB, TensorFlow)

- Built a real-time carbon tracking app that estimates carbon emissions from transportation, shopping, and daily habits.
- Integrated barcode scanning to track product footprints and GPS-based emission tracking for transportation.
- Designed an ML-powered recommendation engine to suggest eco-friendly alternatives.
- Gamified experience with leaderboards and partnerships with eco-friendly brands.

DSA Visualizer (Python, React, D3.js, Flask, WebSockets)

- Created a visual interactive tool to help users understand sorting, searching, and graph algorithms.
- Implemented step-by-step execution animations with WebSockets for real-time feedback.
- Used D3.js for dynamic graph visualization of trees, linked lists, and recursion.

File Compression Utility (Python, Huffman Coding, Bit Manipulation)

- Built a lossless file compression tool using Huffman Encoding for efficient storage.
- Implemented bitwise operations to optimize encoding and decoding performance.
- Achieved ~40% average compression ratio for text and binary files.

EDUCATION

2022-Now	B. Tech in CSE, 3th Year at KIIT DU.
2022	GVN The Global School
2020	Delhi Public School, neelbad, Bhopal

SUMMARY

Actively seeking new opportunities to expand knowledge base and gain valuable work experience. Committed to delivering full commitment and dedication to assigned tasks within your organization.