GAURAV SINGH BHAKUNI

Dehradun (UK, INDIA) - 248005

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Education

Graphic Era University	**2021 − 2025**
Bachelor of Technology in Computer Science and Engineering (CSE), CGPA: 8.49/10	*Dehradun, Uttarakhand*
Koormanchal Academy	**2020 − 2021**
Class 12th, ICSE Board, 89.4%	*Almora, Uttarakhand*
Koormanchal Academy	**2018 − 2019**
Class 10th, ICSE Board, 87.8%	*Almora, Uttarakhand*

Technical Skills

Languages: Java, C++, C, Python, SQL, HTML5, JavaScript, PHP, Solidity
Web Development: React.js, Next.js, TailwindCSS, Sanity CMS, Node.js, Express.js, MySQL, MongoDB
Tools: Git, GitHub, VS Code, Postman, Docker

Projects

Text Classification using Machine Learning | *Python, Scikit-learn, Numpy, Pandas*
- Implemented a machine learning pipeline for sentiment analysis.
- Conducted extensive data preprocessing, including tokenization, stopword removal, and vectorization using TF-IDF, improving model performance.
- Engineered features and optimized model hyperparameters to enhance accuracy, precision, and recall for text classification tasks.

Sorting Algorithm Visualizer | *Java, Java Swing, Multi-threading, Object-Oriented Programming*
- Developed a sorting algorithm visualizer featuring various algorithms, including Bubble Sort, Merge Sort, Quick Sort, and Radix Sort, for real-time educational demonstrations.
- Implemented a user-friendly interface using Java Swing with interactive controls for selecting algorithms, adjusting sorting speed, and choosing data size.
- Leveraged multi-threading to ensure smooth, non-blocking updates of the visual interface during sorting operations, enabling dynamic step-by-step visualization.
- Utilized modular design principles, allowing easy addition of new sorting algorithms and customization of sorting behavior.

E-commerce Website for Shoe Sales | *Next.js, TailwindCSS, Sanity CMS, Vercel*
- Developed a high-performance e-commerce platform using Next.js and TailwindCSS, delivering a seamless user experience with mobile-first responsive design.
- Implemented Sanity CMS to empower non-technical users to manage product listings, descriptions, and images dynamically.
- Built advanced product search and filtering functionality, enabling users to efficiently browse through shoe collections based on customizable filters such as categories, size, and price.
- Deployed the website on Vercel with CI/CD pipelines, ensuring fast, automated updates.

Coding Achievements

- Secured **3rd Rank** in SIH internal Hackathon.
- Solved over **500+** questions on LeetCode and GeeksforGeeks.