Harshit Nimesh

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Delhi

Summary

B.Tech in Electrical Engineering at IIT Delhi with a strong foundation in data structures, algorithms, and advanced technical coursework. Aiming to leverage analytical skills and technical expertise in a Software Engineer role.

Languages

English, Hindi

Scholastic Achievements

- **Joint Entrance Examination (JEE) Advanced, AIR** : 124.
- **Joint Entrance Examination (JEE) Main, AIR** : 90.
- **Academic Excellence Award** : Received Academic Excellence Award for JEE Advanced 2022 result from the Hon'ble Speaker of Lok Sabha.
- **Class 12th CBSE Board Topper** : Achieved top rank in school.
- **GeeksforGeeks Data Structures and Algorithms Course** : Ranked 379 out of 120,000+ students.
- **Codeforces Round 950 (Div. 3)** : Ranked 3220 out of 45,876 participants.

Education

B.Tech in Electrical Engineering

Indian Institute of Technology Delhi • New Delhi, Delhi 07/2026

- **GPA** : 6.51
- **Completed Coursework** : Intro. To Computer Science, Data Structures and Algorithms, Calculus, Intro. To Electrical Engineering, Digital Electronics, Physical Electronics, Probability & Stochastic Pro., Signals And Systems.

High School

Little Flowers Public Sr. Sec. School • Delhi, Delhi 05/2022

- **Final Grade** : 94.4%

Skills

C/C++, Python, JAVA, MySQL, Data Structures, Algorithms, OpenCV, HiRedis, MySQL Connector, Problem Solving, Math, Analytical Skills, Sublime Text, VS Code, LaTeX, Canva

Projects

- Real-Time Face Recognition with Redis Integration : Developed a secure medical database leveraging Redis to store patient information efficiently. Implemented real-time face recognition for secure access to medical data, ensuring data privacy and security.
- Flight Reservation System : Implemented a Python-based system for users to search available flights and reserve seats dynamically using MySQL. Integrated MySQL database securely, utilizing parameterized queries to prevent SQL injection and ensure data integrity.
- Huffman Coding File Compression Utility : Constructed optimal Huffman tree from character frequencies for effective data compression. Generated variable-length codes for characters, minimizing file size while preserving

data integrity. Compressed files using Huffman coding, achieving significant size reduction for storage and transmission efficiency.
- **Shortest Path Finder** : Implemented Dijkstra's Algorithm to determine the shortest path between locations using provided distance data. Developed a route optimization tool using Dijkstra's Algorithm, ensuring minimal travel distance between specified destinations.
- **Sudoku Solver Using Backtracking** : Developed a Sudoku solver using the backtracking algorithm to efficiently solve 9x9 puzzles. Implemented the solver in C++, demonstrating proficiency in recursive algorithms.

Areas of Interest

- **Competitive Programming** : Enjoy participating in coding competitions to sharpen problem-solving skills and stay competitive in algorithmic challenges.
- **Technology and Gadgets** : Enthusiastic about staying updated with the latest technology, including gadgets and new tech launches.
- **Photography** : Amateur photographer with a keen eye for capturing moments and scenery.