

Simran Betageri

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Github: <https://github.com/SimranBetageri>

LeetCode: https://leetcode.com/Simran_B/

EDUCATION

- **Visvesvaraya Technological University**
Master of Computer Application(MCA)
Relevant Coursework: Data Structures and Algorithms, DBMS, Operating System, Backend development, Networking. GPA: 77
Belgaum, India
01/ 2021 - 07/2022
- **KLE Society's RLSI College**
Bachelor of Computer Application(BCA)
Courses: Data Structures and Algorithms, DBMS, Operating System, Web development, Networking. GPA: 76.5
Belgaum, India
07/2017 - 08/2020

SKILL SUMMARY

- **Languages:** C++, JavaScript, SQL, OOPS
- **Frameworks:** ReactJS, API, NodeJS,
- **Frontend:** HTML, CSS,
- **Tools:** Docker, GIT, VScode, MySQL,
- **Soft Skills:** Mediates, Resilient, Prioritization

WORK EXPERIENCE

Airbus India Private Limited

Internship

Bangalore

12/2022 - 12/2023

- Developed a solo project that utilized Huffman coding and LZW algorithms for file compression; optimized file sizes by up to 70% and significantly improved proficiency in complex data structures and algorithms
- Engineered a file compression and decompression tool by implementing Huffman coding and LZW algorithms;
- Enhanced efficiency of data storage by 60% and deepened expertise in advanced data structures and file I/O operations

Infynow Solutions Private Limited

Internship

Belgaum

12/2022 - 12/2022

- Created a solo project using the machine learning approach of the Haar cascade algorithm for an emotional music player. Sublime text, Python, and other tech stack applications were applied
- We have enhanced the efficiency of the project by 64%.

PROJECTS

- **Big Integer in C++:** Designed a C++ library to handle large integers beyond standard data types, crucial for cryptographic and scientific computing; optimized arithmetic operations and memory management,
- Enhancing computational efficiency by 40%
- **Compression and Decompression Tool for Files:** Individual Projects, implemented compression and decompression of files methods, such as LZW and Huffman coding. improved knowledge of file I/O operations, algorithms, and data structures.
- Magnifying the productiveness by 76%
- **Custom Shell:** Individual Project, created a unique command-line shell to control library catalog administration and book leasing. Database integration, file management, and the application of OOP principles
- Amplify the potency by 72% overall.
- **Maze Solver:** individual undertaking Implement a maze-solving algorithm utilizing DFS, BFS, or A* approaches.
- Data structures, Resourceful, and algorithm creation. Upgrading the potency by 87%.

HONORS AND AWARDS

- **LeetCode Achiever:** Solved 300+ problems on LeetCode, demonstrating strong critical thinking skills.
- **Distinction Award:** Received for outstanding academic performance and excellence in coursework.
- **Project Excellence:** Recognized for exceptional Analytical and technical contribution to project development.