Here’s a project report that you can include in your resume:

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\*\*Array Operations and Mathematical Functions in C\*\*

Developed a series of C programs that demonstrate expertise in array manipulation, number processing, and mathematical algorithms. These programs showcase proficiency in fundamental programming concepts like loops, conditionals, and memory management, along with applied logic for specific tasks.

- \*\*Array Analysis Function:\*\*

- Implemented `arrayDetails()`, a function that analyzes an array by determining its size, finding the minimum and maximum values (with their indices), and calculating the sum and mean. This demonstrates array traversal and manipulation of aggregate data.

- \*\*Number Reversal:\*\*

- Designed `reverseNum()`, a function that reverses an integer by processing its digits. This highlights proficiency in control structures like loops and arithmetic operations.

- \*\*Finding Numbers Smaller Than Their Index:\*\*

- Created `smallerThanIndex()`, a function that counts how many numbers in an array are smaller than their index. This demonstrates logical condition-checking and array traversal.

- \*\*UAB Number Checker:\*\*

- Developed `UABNumber()`, a function that checks if a number is a UAB number (a number equal to the sum of its divisors). This involved implementing mathematical logic, conditionals, and efficient number factorization.

- \*\*Technologies:\*\* C, Pointers, Loops, Array Manipulation, Arithmetic Operations, Conditional Logic

- \*\*Key Skills:\*\*

- Array manipulation and traversal

- Dynamic problem-solving using loops and conditionals

- Implementing mathematical algorithms in C

These programs were designed as part of coursework and independent projects, demonstrating a solid understanding of core C programming concepts.

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This report highlights your skills in problem-solving and algorithm development using C, making it valuable for an internship application.