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

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\*\*Directory and File Search Utility in C\*\*

Developed a custom file and directory search utility in C that provides detailed information on files and directories within a specified location. The project includes advanced functionality for file size filtering and file permissions display, along with a Makefile for building the project.

- \*\*Key Features:\*\*

- \*\*Directory and File Display:\*\* The program recursively traverses directories and displays the names of all files and folders.

- \*\*File Size Filtering:\*\* Implements a `-s` flag to display files larger than a specified size in bytes.

- \*\*Detailed File Information:\*\* The `-S` flag shows the size, permissions (read, write, execute), and last modified timestamp of files.

- \*\*Recursive Search:\*\* Handles nested directories, ensuring the entire file tree is explored and reported.

- \*\*Technologies:\*\* C, File Handling (using `dirent.h`), System Calls (`stat` for file attributes), Makefile for compilation and automation.

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

- Expertise in system-level programming and file I/O.

- Developed recursive algorithms to explore directory structures.

- Implemented command-line argument parsing for flexibility in program execution.

- Practical understanding of Makefile to automate build processes.

This project demonstrates a strong understanding of low-level system operations, recursive functions, and file handling, making it highly relevant for roles requiring C programming and systems knowledge.

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This report highlights your expertise in C and system-level programming, making it a strong addition for applying to internships.