

# Muraliarasan C

<https://cmuraliarasan.github.io/Portfolio/>

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## EXPERIENCE

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- **Gyansys** Bangalore, India  
*<https://gyansys.com/> - Software Engineer Trainee* Sep 2022 - Nov 2022
  - **SAP ABAP:**
    - Generated a business ALV report using ALV grid to display purchase order document header and item details, with downloading options as excel file.
    - Designed an ALV report using ALV grid display with user-defined options to modify and update in database.
    - Created an Interactive Report for displaying vendor information.
    - Created a Classical report to display Material Master data and Material Description data.
    - Developed a BDC program using batch input method to migrate purchase order data from legacy system to SAP system and stored the error file in presentation server
    - Developed PO using BAPI with reference to PR.
    - Enhanced Client description using Customer Exit.
    - Generated an ALV report using OO ABAP to display sales header and item data using Sales document number as input.
  - **Work:** Worked with Reports, Interface, BDC, LSMW, BAPI, Enhancements, Forms, Scripts, Data Dictionary Objects Selection Screen and Module pool Programming, OOABAP, Modularization Techniques.

## EDUCATION

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- **Velammal College of Engineering and Technology - Madurai** Anna University, Chennai  
*Bachelor of Engineering in Computer Science and Engineering; GPA: 7.6/10* 2018 – 2022

## TECHNICAL SKILLS

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- **Languages:** ABAP, C, Java, Python **Operating System :** Linux , Windows
- **Proficient in C and Assembly Language:** Deep understanding of C programming and assembly language, I have the ability to write, analyze, and debug low-level code, It's essential for exploit development and system programming.
- **Advanced Debugging with GDB:** Skilled in using the GNU Debugger (GDB) to analyze code, set breakpoints, inspect memory, and modify program execution, providing thorough insight into software behavior and facilitating the identification of vulnerabilities.
- **Vulnerability Analysis:** Proficient in identifying and exploiting vulnerabilities such as buffer overflows, format string vulnerabilities, and race conditions.
- **Secure Coding Practices:** Understanding of secure coding techniques to prevent common vulnerabilities.
- **Exploit Development:** Demonstrated ability to craft and deploy reliable exploits for different types of vulnerabilities, including detailed steps to manipulate program flow and achieve arbitrary code execution.
- **Network Security:** Knowledgeable in network programming, including socket programming and the exploitation of vulnerabilities in network services. Experienced in analyzing network protocols and crafting network-based attacks
- **Binary Reverse Engineering:** Skilled in reverse engineering compiled binaries to uncover hidden functionality, vulnerabilities, and the overall structure of the software. Used tools like disassemblers and decompilers to translate binary code back into human-readable form.
- **Relevant Coursework:** Programming and Data Structures, Algorithms, Software Engineering, Operating Systems, Database Management Systems, Computer Networks, Computer Architecture, Compiler Design