# PROFILE **SUMMARY**

* Software Engineer with over 2 years of dedicated experience in Unit Testing and Automation Testing.
* Demonstrated expertise in testing methodologies and tools including CANalyzer, Carmaker, and Jira. Skilled in C, Python, and Tcl for test automation, with a solid understanding of software development principles.
* ISTQB certified software testing professional with passion for continuous learning. Driven to leverage my skills and experience in new challenges and growth in the Automotive sector.

# SKILL

|  |  |  |
| --- | --- | --- |
| CarMaker Tool | Python Automation Tool | ISTQB Certified |
| CANalzser & Diaglzser | Fluent in C, Python & TCL | Problem Solving |
| Jira | AUTOSAR | Time Management |
| CAN & UDS Protocol | RTRT Tool, Source Insight | Team Player |

# WORK EXPERIENCE

## **(Expleo Group), KA, India**

## **HIL Validation –** Automotive **January 2023 - Present**

* Motive is to Validate and verify the performance, functionality, and reliability of the ECU in simulated environment.
* Led automation testing and validation of various functional scripts using the CARMAKER
* Analyzed and identified type issues, generating JIRA tickets to enhance script efficiency.
* Leveraged BT requirement for comprehensive analysis. Utilized CANalyzer and Diaglyzer for efficient troubleshooting.
* Developed a **Python automation** tool to transform horizontal (Old\_BT) data into vertical (New\_BT) format, for optimizing data processing workflows.

## **Associative Software Engineer –** Avionics **July 2022 - December 2022**

## **Leach International Europe**

## Focused on designing the low-level software components (COM\_SW and BOOTLOADER) that run on the communication board with the Infineon XMC4700 microcontroller.

* Analyzed software requirements and source code (C) to ensure functional code compliance.
* Derived Testcase and executed test scripts for achieving 100% test coverage.

## **Trainee Software Engineer** – Avionics **December 2021 – June 2022**

**Miniature Air Data Transducer**

* Worked on the Electronic Warfare Display unit, facilitating operator input for controlling the EW Suit Mission and display functions in both aircraft forward and rear seats. This involved comprehending the SDD requirements for various input functional codes.
* I then formulated test cases, specifying input values and documenting them in the SVCP document. Executing these input values in the "Vector Cast tool," ensuring each function achieved 100% coverage.

# EDUCATION

### BE in Electrical & Electronic Engineering

Paavai College of Engineering, Namakkal (AU)

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# **ADDITIONAL INFORMATION**

**Languages:** English & Tamil

**Certifications:** Certified Tester Foundation Level