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| ***Objective:*** |

To associate with an esteemed organization that provides an opportunity to utilize skills, improve knowledge with latest trends and to be a part of the team that works dynamically towards the growth of the Company.

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| ***Professional Summary:*** |

* **Nine** years of experience in software development with C++ on **Linux** and **Windows** platform.
* Involved in requirement gathering, design, development, peer review and testing to post-deployment maintenance phase and various testing phases like Unit, Functional and Integration testing.
* Good Knowledge in object-oriented programming (OOP), design patterns, data structures and **STL** containers.
* Basic knowledge on **Python** scripting and **SQL** server.
* Experience in Agile (SCRUM methodology) method of software development and TDD.
* Experience in **AUTOSAR** and **Networking** domain.
* Good knowledge in **GUI** development using wxWidgets and QT.
* Worked in **CAE** domain for supporting various cards of different solvers and developed various APIs for preprocessor development.

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| ***Professional Experience:*** |

* Currently working as a **Senior Tech Lead** in **KPIT (June** **2019 -** **till date**).
* Worked as a **Lead Engineer** in **HCL Technologies Ltd** (**May 2015** - **May** **2019**).
* Worked as a **Software Engineer** in **DEP India Pvt. Ltd** (**April 2012 - Apr 2015**).

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| ***Technical Skills:*** | | |
| **Programming languages** | C++ 11/14/17, C, Python, Shell scripting, YAML |  |
| **Operating Systems** | Linux, Windows |  |
| **Version Control** | Github, Tortoise SVN, WinCVS |  |
| **Methodologies** | V model (BD, STD, FD, FTD, DD, CD, UT), Agile |  |
| **Tools** | Google framework (gtest, cpplint-coding standard), putty, GDB, WxWidgets tool kit, Klocwork, Bazel, Franca IDL, QT, Zuul |  |
| **IDE** | Visual Studio (2019), Visual Studio Code |  |

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| ***Academic Qualification:*** |

* B.Tech(Computer Science and Engineering) from JNTU with 77% in 2010.
* Intermediate (class 12) from Narayana junior college, Andhra Pradesh with 87.5% in 2006.
* SSC (class 10) from Andhra Pradesh with 85% 2004.

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| ***Project Details:*** |

**Project: Autonomous Driving (Level 2 -3)**

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| **Skills:** C++, Python, GIT, Bazel  **Modules**: Event data recorder (EDR), Driver module  **Description:**  EDR isa level 2 autonomous driving feature in MPAD. This module is introduced in planning to receive the data from other customer functions and to send the event data at regular intervals of time. That data will be stored and used later to analyze the crash.  Driver model is a level 3 autonomous driving feature for the high-way pilot. This module receives inputs from other modules and calculate driver fatigue levels and driver visual attention percentage. Results will be sent to the modules who subscribed to this module.  **Responsibilities:**   * Involved in Requirement gathering, Design discussions, Coding, Writing unit, component tests and also maintain the code. * Refactoring the existing code with C++ 14 features and follow the clean code guidelines to increase code readability and maintainability. * Running quality tools for the code to check quality issues at the earlier stages. * Review the code based on Requirements and C++ coding guidelines |

**Project:** **Switch Configuration Controller**

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| **Skills**: C++ (Linux)  **Project Description:**  SC (Switch Configuration Controller) basically controls IX switches. Set of configurations can be created by user and apply the configuration by connecting each router through SSH protocol.  **Responsibilities:**   * Owned the sccm module alone. Worked on creating the framework for SC Configuration manager module (sccm) from requirements phase to functional testing phase. * Worked on setting up framework by using design patterns to create/update/delete the configuration in DB before sending the data to the switch. * Implemented unit tests, functional tests and integration tests. * Review the code based on requirements and C++ coding guidelines |

**Project: IPFC –Integrated programmable flow controller**

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| **Skills:** Python, YAML  **Project Description:**  Integrated programmable flow controller is used to control the QX switches by applying/deleting the configuration in the switch.  **Responsibilities:**   * Worked on command analysis of the device to know each command behavior in device and to know the type of attributes should be used with the command. * Write python scripts which will take inputs from ansible playbook. * Validate the inputs received from the playbook and frame the commands. Create the **SSH** connection with **IP** provided in playbook and execute those commands in device. * Worked on Unit, Functional Testing and bug fixes. |

**Project: GUI Development for MeshWorks product**

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| **Skills**: C++ (windows, Linux), WxWidgets  **Project Description:**  It is a CAE pre-processor. This software mostly used to edit the mesh. There are various tools available to do the prepossessing of a solver deck.  **Responsibilities:**   * Developing GUI Engine Worked with WxWidgets by creating custom controls like Checkbox renderer, button renderer, progress bar renderer. * Created different types of dialog boxes for displaying all related data of the property like property id, name, color, etc. in one place. * Implemented the framework to automate the test process of meshwork’s functionalities by record the session and replay the session with recorded event data. * Created automatic GUI Engine framework for creating controls dynamically on a dialog. It will read the resource file and it will generate GUI by parsing the resource file. * Building model information in tree list, which will help to know the model info, update model info and delete model info quickly. |

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| ***Declaration:*** |

I hereby declare that the above-mentioned information is correct up to best of my knowledge and I bear all the responsibilities for the correctness of the above-mentioned.

**Place**: Vyshnavi

**Date**: