**MAMATHA T S** : +91-9845056910

: [monikamonu36@gmail.com](mailto:monikamonu36@gmail.com)

**Objective:**

To obtain a position to work with an industrial organization where I can effectively contribute my skills and learn about current industry trends and work methodologies.

**Work Experience:**

* Total Experience 4.2 years in Software Testing.
* Currently working as a Senior Software Engineer in Tech Mahindra from april 2021 to till date
* **AERONAUTICAL DEVELOPMENT AGENCY (ADA)** Ministry of Defence, Bangalore (**Deputed from Business Solution International**) as a Software Engineer using RTRT and QT tool, from 9th MARCH, 2018 to 9th MARCH 202.
* Involved in Software Testing of Mission Critical Avionics Systems.
* Involved in Testing of SSDU & HMDS units of LCA Tejas.
* ‘**HINDUSTAN AERONAUTICS LIMITED’** as a Software Designer using Rhapsody tool and LDRA tool (automated flight control system), from APRIL 2016 to MAY 2017.

**Academic Qualification:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Qualification** | **Year** | **Board/University** | **Institute** | **Percentage** |
| B.Tech.(CSE) | 2015 | VTU,Belgaum | DonBosco  Institute of Technology. | 67% |
| Diploma(CSE) | 2012 | DTE | JSS Women’s Polytechnic,  Mysore. | 65% |
| SSLC | 2009 | State Board | Hadly  HighSchool Hadly.  Hadly | 66% |

**Technical Skills:**

|  |  |  |  |
| --- | --- | --- | --- |
| Programming Language | | C, C++, JAVA, Ada95, OpenGL, HTML | |
| IDE | QT, Visual Studio 2010, Rational Test Real Time(RTRT). | | |
| Protocols | | | MIL-STD-1553B, RS422, RS232 |
| Avionics Standard | | | DO-178B. |

**Summary of Projects:**

**Project 1: Smart Stand By Display Unit(SSDU).**

**Programming Language** : C and Ada

**Team size** : 4

**Tools :** VC++ IDE, RTRT.

**Project Description :** The smart standby display unit (SSDU) is stand-alone color display unit. SSDU displays page information based on the parameters received through RS422. The SSDU is a high-end display system provided in the cockpit of LCA for the display of GET U HOME (GUH) parameters and engine and fuel parameters (EFI). The same can act as GUH or EFI. SSDU shall function as SSDU\_GUH or SSDU\_EFI in TEJAS fighter and also as repeater SSDU\_GUH and repeater SSDU\_EFI in rear cockpit of TEJAS Trainer, depending on the function selection discrete inputs received through its external interfaces during POWER ON.

**Role & Responsibilities:**

* CSU and CSC level testing of SSDU software using RTRT tool to Perform White Box Testing (at host level) for new version of SSDU.
* CSCI level testing of SSDU software for new version to SSDU.
* Generation of CSUs test report using RTRT tool.
* Conducting Black Box Testing for SSDU-GUH, SSDU-EFI.
* Developing the C code for the user requirement functionality.
* Involved in Documentation of IRS, VDD, SRS and FRS.
* Having good Experience on SDLC
* Experience in functional testing and structural testing.
* Having knowledge on MCDC.
* Experience in SSIT, HSIT –verification and validation
* Good debugging and analytical skills.
* Having good knowledge on Flight data analysis.

**Project 2:** Helmet Mounted Display And Sight (HMDS)

**Programming Language** : C and Ada

**Team size** : 4

**Tools :** VC++ IDE.

**Project Description :** DASH is a Helmet mounted aiming system, which provides a “head out” display and aiming capability based on pilot’s line of sight (LOS). Line of sight computer unit (LCU) determines the line of sight (LOS) of the pilot. The displayed data may include part of the HUD symbols, flight information, warnings and navigation parameters. It uses magnetic sensors. HMDS displays vital information in a friendly and logical format on the Pilot’s visor, thus enhancing his situation awareness.

**Role & Responsibilities:**

* Black Box Testing of HMDS.
* HMDS PI checks GUI updating as per Q & A Requirement.
* Co-ordination with Q & A and CRI for the Unit Clearance for Aircraft.
* Having good Experience on SDLC.
* Experience in functional testing and structural testing.
* Good debugging and analytical skills.
* Having good knowledge on Flight data analysis.

**Personal Details**

Mother’s Name : Mrs. Thimmamma.

Father’s Name : Mr. Siddegowda.

Date of Birth : 20th October, 1993.

Nationality : Indian.

Languages Known : English,Kannada and Telugu.

Address : #105 ,Thuraganuru, Malavalli(tq),Gajanuru(Po),

Mandya(Dist)-571430

I hereby declare that all the information provided above is true to the best of my knowledge.

Place:

Date: ***Mamatha T.S***