

## KANCHARLAPALLI MANIKANTA

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### Career Objective: -

I am seeking an opportunity to contribute my skills and expertise while working in a dynamic and innovative environment. I aim to continuously expand my knowledge by exploring new technologies and methodologies, and I am eager to improve my technical capabilities through hands-on experience and collaboration with skilled professionals. I am particularly passionate about leveraging my skills in C, C++, SQL. while staying adaptable to evolving industry trends.

### Work Experiences: -

#### SaNa Software Services Pvt Ltd – Neredmet Hyderabad: 10.02.2023-Present

##### 1. **Working on IBM Rational Test Real Time (RTRT) - Test Case Development:**

###### ⇒ **Manual Testing in RTRT:**

1. **Test Case Design:** I will be designing the test cases that focus on functional and non-functional requirements of the embedded software. This might include boundary testing, error conditions, and performance testing.
2. **Test Execution:** Running tests manually on the embedded software or hardware target. This could involve reviewing logs, comparing actual vs expected behavior, and identifying potential issues in the system.
3. **Issue Identification:** Analyzing test results and identifying discrepancies or failures. This may involve debugging the code, reviewing software logs, or working with developers to isolate root causes.

###### ⇒ **Automated Testing in RTRT:**

- **Test Automation Framework:** I will be setting up or utilizing an automation framework within RTRT to run test cases automatically without manual intervention. This might include scripting, scheduling, and managing automated tests.
- **Test Scripts:** Writing scripts in languages such as C, Python, or other supported languages to automatically execute tests. Automated testing in RTRT typically integrates with the test environment to control test execution and result collection.
- **Integration with Continuous Integration/Continuous Deployment (CI/CD):** Automation may be integrated into a CI/CD pipeline to ensure that tests are executed every time code is committed or new software versions are built.

###### ⇒ **Common RTRT Features and Techniques:**

- **Code Coverage:** RTRT provides code coverage analysis tools to ensure all relevant parts of the software have been tested.
- **Real-Time Analysis:** Real-time analysis features help ensure that the software behaves correctly in time-constrained environments.
- **Memory Leak Detection:** RTRT has tools to identify memory management issues, which are crucial in embedded systems.

## **2. Worked on Target deployment port (TDP)- Kernex Micro system Pvt Ltd.**

- Target deployment port (TDP) technology is a versatile, low-overhead technology enabling target-independent tests. As a key component of IBM® Rational® Test Real-time, TDP technology allows your test cases as well as test execution analysis to be applied directly to your target embedded system. It is constructed to accommodate your compiler, linker, debugger, and target architecture. Tests are independent of the TDP, so tests don't change when the environment does. Test script deployment, execution and reporting remain easy to use.
- TDP could refer to a Target Deployment Platform, which involves a specific environment, server, or platform where software or services are being deployed. Working on TDP in this case could imply handling deployment issues, optimizing configurations, or ensuring compatibility with the target system.

## **3. Worked on Railway Domain Train Collision Avoidance System (TCAS) & KAVACH**

- Worked at the HBL Power System Pvt Ltd- Yaprak Location.
- Designed in a manner to prevent signal passing at danger (SPAD) cases.
- Preparation of RFID Layout, Tag Data, TOC, Configuration Files, Drone data.
- Worked at client location for TCAS project for one year.

### **Projects: -**

#### **Data Security Approach on Cyber Crime with Web Vulnerability:**

Internet is a major source of spreading terrorism through speeches and videos. Terrorist organizations use internet especially social networks to brain wash individuals and also promote terrorist activities through provocative web pages that inspire helpless people to join terrorist organizations. So here we propose an efficient web data mining system to detect such web properties and flag them automatically for human review. Websites created in various platforms have different data structures and are difficult to read for a single algorithm. Since it is not feasible to build a different algorithm to suit various web technologies we need to use efficient web mining algorithms to mine this huge amount of web data. Web pages are made up of HTML (Hypertext markup language). In various arrangements and have images, texts etc., intermixed on a single web page. Here, we used Data mining as well as web mining to detect patterns and mine out textual information on web pages. Here, we are using E-mail System to detect the unwanted messages that are more susceptible to terrorism and will send to the spam directly to the recipient who is using the system.

### **Technical Strengths: -**

**Programming Languages:** C, C++, HTML, JS, CSS, SQL Database.

**Software Tools** : MS office, visual studio, IBM RTRT Tools, JIRA Tools

### Interpersonal Skills: -

- Hardworking
- Collaborating and working well together with others
- Leadership
- Time Managing

### Education Qualification: -

- ⇒ Sri Sunflower College of Engineering & Technology (CSE)-Affiliated at JNTU Kakinada - 2022 Achieved 70% CGPA.
- ⇒ Vagdevi Junior College – Intermediate (MPC)-Affiliated at Board of Intermediate AP Machilipatnam-2018 achieved 72% CGPA.
- ⇒ Z.P.High School – SSC affiliated at Secondary Education, AP (Chinnapuram) -2016 achieved 75%CGPA.

### Personal Details: -

**Father Name** : K.Rama Krishna  
**Mother Name** : K.Lalitha Kumari  
**Date of Birth** : 04-08-2000  
**Gender** : Male  
**Languages Known** : Telugu, English, and Hindi  
**Nationality** : Indian  
**Address** : Chinnapuram, Machilipatnam Mandal, Krishna district

### Declaration: -

I hereby declare that the information provided above is accurate and true to the best of my knowledge and belief. I understand that any false or misleading information may disqualify me from consideration or result in termination of employment, if hired.

**Name:** K.Manikanta

**Place:** Chinnapuram

**Date:**

**Signature:**