ARCHANA S

To find work at a company that provides a positive work environment to learn and apply new skills and technologies to enhance the company's performance.

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WORK EXPERIENCE:

Company: Tata Elxsi Limited, Bangalore
Role: Engineer (*Transportation Unit*)
Duration: September 2021 – March 2022(*6 Months*)

- ❖ Installation of UTS, Enterprise Architect Tool and CANTATA.
- ❖ Analyzing the function table provided in the document.
- ❖ Creating and generating functional flow of respective function in Enterprise Architect Tool.
- ❖ Tracing each function in the source code and writing the test cases in excel for the respective function.
- ❖ Failure analysis of the written test cases is done using UTS and reasons for fail is recorded in excel.
- ❖ After writing over 3000 test cases of all the possible (positive and negative) cases, decision coverage, statement coverage and overall coverage of each function will be checked using CANTATA and noted.
- ❖ The Initial coverage of the code would be 15 to 35 percentages.
- ❖ The process repeats with continuous changes till the coverage reaches to 98-100 percentage.
- ❖ Followed by testing proper record will be maintained through documentation.

SKILLS:

Tools: Eclipse, Visual Studio Code, MySQL, Postman, UTS, Enterprise Architect, CANTATA, Notepad++
Languages: HTML, CSS, JavaScript
Testing: Unit Testing
Library: Basics of ReactJS

EDUCATION:

BGS Institute of Technology   **Mandya, Karnataka, India**
Bachelor of Engineering in Electronics and Communications   *Graduation Date: July 2021*
CGPA: 8.25

CERTIFICATION AND ACHIVEMENT:

- ❖ Internship certificate on Embedded with IOT under ELECSIS company.
- ❖ Runner-up in HackInIt competition for the project Brake Failure Detection.

PROJECTS:

Priority Based Ambulance to Traffic Light Communication for Delay Reduction in Emergency:

This system enables the exchange of information between traffic lights and ambulances in advance. With the use of available information, traffic lights can turn on a prioritized green light whenever needed, which allows ambulances to safely pass through any intersections immediately.

Smart Home Automation:

An automated home is comprised of an integrated system that brings together security systems and appliances. Energy savings can be achieved by connecting the system to a smart grid system over a network. The outcome enhances the lifestyle while decreasing energy consumption.