**ANUSHA LAGADAPATI**

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**CAREER OBJECTIVE:**

Looking forward to an opportunity to prove myself in a challenging environment and contribute to the development of the organization with the best of my abilities.

**PROFESSIONAL SUMMARY:**

* Around 6 months of work experience as an **embedded developer**.
* Hands on experience in **Assembly** and **C programming**.
* Hands on experience of **Linux Kernel** and **Device drivers Programming**.
* Uniform platform for Trusted application(working on).
* Worked on **ARM Cortex-A5X** soc for ARM Trust zone board bring up activity.
* Experience on **ARM CortexM4** architecture to develop embedded c projects.

**ACADEMIC PROFILE:**

* M. Tech in Embedded Systems fromVignan’s Lara Institute of Technology and Science,Vadlamudi completed in the year 2016 with an aggregate of 73.8%.
* B. Tech in ECE from Chebrolu Engineering College, Chebrolu completed in the year 2014 with an aggregate of 74.04%.
* Intermediate in MPC from Sri Chaitanya Junior College,Guntur completed in the year 2010 with an aggregate of 88.4%.
* SSC from Z.P.H School, Narakoduru completed in the year 2008 with an aggregate of 86.3%.

**COURSE:**

Pursued **“PG DIPLOMA IN EMBEDDED SYSTEMS AND IOT” at** **Kernel Masters.**

**PROFISSIONAL EXPERIENCE:**

Currently working in **Votary Softech Pvt Ltd** from 14-08-2018.

**TECHNICAL SKILLS:**

**Programming Languages :** C, Embedded C, Shell Script,

**Linux System Programming :** Socket Programming, IPC, Process, Threads.

**Linux Device Drivers**  : Character Device Driver

**Operating System :** Linux,Windows.

**Debugging Techniques :** GDB.

**Tools :** Strace, Cscope.

**Source Code Version Control Tools :** GIT.

**PROFESSIONAL CERTIFICATIONS:**

* The project ‘Implementation of gesture based voice and language translator for dumb people’ is published in **IEEE (978-1-5090-1066-0/16/$31.00 ©2016)**.

**PROJECT DETAILS:**

**CURRENT PROJECT :**

* **Title:** “**Uniform platform for Trusted application**”

**Role :** Developer

**Hardware platform :** Raspberry pi3

**Tools :** QEMU

**Description:** To develop a Votary Execution Environment (VEE) library for ARM Trust zone using OPTEE which will support any platform like Trust Zone Execution Environment(TEE), Qualcomm Execution Environment(QEE), X Execution Environment (X – Any) (XEE).

**Responsibilities**:

* + Worked on OPTEE source code for understanding secure data path.
  + Wrote own trusted application in trust zone to communicate from normal world to secure world.
  + Added own handler in OPTEE to configure the framework depending on platform.

**INTERNSHIP PROJECT :**

* **Title: “Attendance monitoring system”**

**Environment**: Embedded systems

**Description:** Attendance system uses finger print scanner technology which identifies and authenticates the fingerprints of an individual in order to access the presence and absence of an individual.

**ACADEMIC PROJECT 1:**

* **Title: “A wireless multi-patient health monitoring system using RFID and GSM with automatic doctor alerting through SMS”**

**Environment**: Embedded systems

**Description:** To design of a simple, low-cost controller based wireless heart beat monitoring with temperature sensing system and this information will be wireless carried to doctor by using GSM Technology.

**ACADEMIC PROJECT 2:**

* **Title: “Implementation of gesture based voice and language translator for dumb people”**

**Environment**: Embedded systems

**Description:** This project proposes a system that converts gestures given by the user in the form of English alphabets into corresponding voice and translates this English voice output into any other Microsoft supported languages.

**Place:**

**Date : (L.Anusha)**