**CURRICULUM VITAE**

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**OBJECTIVE**

To seek assignments in Product Design and Development in Embedded Platform with a growth oriented organization preferably in the software development and work in line with the organizational goals.

**QUALIFICATION:**

B-tech - **Electronics and Communication** from Sri Mittapalli College of Engineering, Jawaharlal Nehru Technological University, Kakinada.

**ACADEMIC PROFILE**

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| --- | --- | --- | --- | --- |
| Education | University/board | College/school | Year of passing | Percentage |
| B. Tech | Jawaharlal Nehru Technological University,  Kakinada. | Sri Mittapalli College of Engineering,  Guntur. | 2014 | 65.20 |
| Intermediate | Board of Intermediate Education | Sri Chaitanya junior Kalasala,  Guntur. | 2010 | 78.40 |
| S.S.C | Board of Secondary Education | GK Public School, Guntur. | 2008 | 74.50 |

**COMPUTER SKILLS**

System language : C, C++

Operating System : Linux, Windows XP, Windows7

Software : Assembly Language (Micro controller interfacing), Device Drivers

Others : PGDCA

**PROJECT DETAILS**

**PROJECT: DWT –SVD Based Dual Watermarking Scheme.**

*Tools* **:** Mat Lab 7.5

*Role* **:**

* Prepared a full length requirements specifications document for the project.
* Developed code for the individual sections of project like selecting the region of interest, Training the Watermarking Scheme.
* Addressed the issues raised and developed the solutions and workarounds.

*Description:*

As watermarking is identified as a major technology to achieve copyright protection, the

Relevant literature includes several distant approaches for embedding data into a multimedia element (primarily images, audio, and video).Because of its growing popularity, the Discrete Wavelet Transform (DWT) is commonly used in recent watermarking schemes. In a DWT based scheme, the DWT coefficients are modified with the data that represents the watermark. In this Paper, we present a hybrid scheme based on DWT& Singular Value Decomposition (SVD).After decomposing the cover image into four bands, we apply the SVD to each band, and embed the same watermark data by modifying the singular values.Digital Watermarking is used for copyright protection and authentication.In this paper, a new Dual Watermarking scheme based on DWT-SVD is presented to improve the robustness and protection.

**CERTIFICATIONS:**

**Advance Diploma in Embedded Systems** – Certified by Indian Service Machine (ISM)

**Mini Project:**

**Project title: Design a mini Engineering calculator to support trigonometric functions with basic Arithmetic.**

**Description:** To implement a Calculator, we can do one operations like trigonometric, arithmetic**.**

**PROJECT:** **Device Driver for USB Pen drive under Linux**

*Tools:*  Linux GCC compiler-4.3.3

*Role:*

* Analyzed the device driver programming techniques under Linux operating system.
* Prepared a document required for the development of a Device Driver with few functionalities for a character device.

*Description:*

Device Driver is generally a set of functions. This accepts general requests for I/O operations and manipulates the device to perform the requested operations. This acts as an interface between kernel and hardware device. User application invokes the modules in the kernel initially. This in turn invokes the particular device driver with the help of major number. The entry point in the device driver is determined based on the minor number. The major number and minor number are obtained during device registration. In this Project, a character device is registered. Make sure that the endpoint numbers used in the pendrive.otherwise,you may get an error like…bulk message returned error22-invalid argument…”while reading from pen device.

The driver from the previous article is unloaded i.e the pen info is not loaded.Then based on the status of the Status register status, the corresponding functionality (entry point) which may be *open,close,read,write*  is invoked.

**ACHEIVEMENTS**

* Active participant in Social and Cultural Activities during school as well as college level.
* Won the prizes in the competitions at school and college level.
* Participant in paper presentation, Quiz competition in academic level.
* Participant in Soft skills and Employability skills Training Program.

**PERSONAL DETAILS**

FATHER’S NAME : K.Ramana

MOTHER’S NAME : K.S.kumari

FATHER’S OCCUPATION : Head Constable in CISF.

NATIONALITY : Indian

LANGUAGES : English, Telugu.

HOBBIES : Referring to Electronic based magazines, playing

Sudoku, watching movies etc.

FORTE : Zest towards learning,

Willingness to work on challenging projects.

PHONE : 9603425939

**DECLARATION**

I hereby declare that all the above information furnished by me is true and given an opportunity, I shall definitely prove my worth.

Place :

Date :