

## **Aniket D Deotale**

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Pimple Gurav,Pune

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### **OBJECTIVE :**

Seeking a responsible position in an organization, which gives me a chance to Improve knowledge, enhance my skills and enable me to strive towards the overall development of the organization.

### **HIGHLIGHTS :**

- Experience in application development using C, C++,JAVA and PHP.
- Sound knowledge of UNIX Internals.
- Skilled Mass Communicator.
- Good analytical and problem solving skill.

### **TECHNICAL SKILL:**

#### **Languages :**

- Procedural Language : C
- Object Oriented Language : C++
- Virtual Machine based Language : Java
- Scripting Language : PHP

**Database :** MySQL

**Operating System :** Windows NT Family, Linux Distributions

**Tools and Utilities :** WinDbg, Sysinternals utilities.

### **PROJECTS:**

#### **Virtual File System**

Technology : C

Description :

- The virtual file system provides all the functionality to the user which is same as the UNIX based file system.
- It provides all necessary commands and system calls Implementations of file system through customised shell.
- In this project we implement all necessary data structures of File Subsystem as Inode, Incore Inode Table, File Table, User File Descriptor Table etc.
- By using this project we can emulate UNIX file system on any Windows platform.

#### **Generalised Data Structures Library as Shared Object**

Technology : C++

Description:

- In many programming languages there is internal support for all data structures functionality.

- In this project we provide almost every functionality required to handle all necessary data structures in library format.
- In case of static library there is memory issue & to avoid it we developed the library as Shared Object(.SO)
- We can use this library in any C/ C++ applications on Linux Platform.

### **Process Monitoring Tool**

Technology : Windows Programming using C (W1N32 SDK)

Description :

- This project is used to retrieve all internal information of running process on Windows platform. In this project we maintain log file which contains information of process as, Process Name, PID, DLL's Attached by the process, Size of process, Threads created by the process etc.
- This project can be used to take periodic log of running processes for analytical purpose.

### **PE File Explorer (Portable Executable File Explorer)**

Technology : Windows Programming using C (WIN32 SDK)

Description :

- Portable Executable is an executable file format on windows operating system which contains all necessary information about the executable file in structured format.
- By using this project we can retrieve multiple tables from executable file as DOS header, Optional header, Section header, Export table , Import table etc.
- According to the user requirement we display information about that executable file in simple format.
- This project can be used in Reverse Engineering process to predict whether executable File is
- malicious or not.

### **Customised Wrapper Class Development**

Technology : C++ & JAVA

Description :

- Wrapper classes are such classes which contains all functionality which is frequently required in allocation development.
- Instead of repetitive development we provide all functionality in terms of behaviours of wrapper class.
- Application developer can create instance of wrapper class and access all necessary behaviours
- according to the characteristics.

### **Character Device Driver Development**

Technology : C

#### Description :

- Device driver is considered as interface between kernel and hardware.
- As there are two types of device drivers as Character and Block device driver we create Character device driver.
- In this character device driver we create device file, makefile, application process to set the environment.
- We can access our device driver through any running application,
- For research purpose we create multiple drivers with initialisation and de-initialisation task, driver which maintains log, Driver which accept command line argument, Driver with reading
- and writing functionality.

#### **EDUCATION QUALIFICATION**

- Course: B.Tech 2<sup>nd</sup> Year (Undergraduate)
- Stream: Computer Science
- University: University Of Pune

#### **PERSONAL DETAILS**

- Full Name: Mr. Aniket Damodhar Deotale
- Date Of Birth : February 27,1998
- Nationality : Indian
- Address: Tressure Society P-102,Pimple Gurav
- Languages Known: English,Hindi,Marathi