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## Mayur Balasaheb Gapak

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### Objective:

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

### Technical Skills:

#### Programming Language:

Procedural Language:	C Programming
Object Oriented Programming:	C++ Programming
Virtual Machine based Programming:	Java Programming
Operating System:	Linux, Windows

### Highlights:

- Experience in application development using **C, C++, Java**.
- Experience in Algorithm designing.
- Experience in database language like **SQL, PL-SQL**.
- Sound knowledge of operating system internals.
- Good analytical and problem-solving skills.

### Work History:

<b>Experience:</b>	1 Year 2 Months
<b>Company Name:</b>	Cognizant Technology Solution
<b>Role:</b>	Software Developer

### Responsibilities:

At Cognizant, we help clients do what others can't – operate with human insight, but at superhuman speed, so they get ahead and stay ahead.

We Developed Database objects, including tables, views and materialized views using SQL.

### Technical Projects:

#### Customised Virtual Files System:

#### Technology: C Programming

#### Description:

- This project provides all functionality to the user which is same as Linux File system.
  - It provides necessary commands, system calls implementations of file system through customised shell.
  - In this project we implement all necessary data structures of file system like **Incore Inode Table, File Table, UAREA, User File Descriptor table**.
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- Using this Project, we can use every system level functionality of Linux operation system on any other operating system platform.

### **Generalised Data Structures Library:**

#### **Technology: C++ Programming**

##### **Description:**

- This Project is considered as a library which contains generic implementations of all major types of data structure.
- We provide the readymade implementation of all fundamental operations as well as advanced operations on linear, non-linear data structures in an object-oriented way.
- We provide the generic way of implementation so we can use the functionality for any type of data types. All the **object-oriented design policies** are used in this project.

### **Banking System:**

#### **Technology: C++ Programming**

##### **Description:**

- This project provides the basic functionality of banking system.
- We use all **object-oriented design policies**.
- In this project we provide all object-oriented concept of Encapsulation, Inheritance, Polymorphism, Abstraction.
- This application is platform & architecture independent.

### **File Packer Unpacker with encryption:**

#### **Technology: Java Programming**

##### **Description:**

- This project provides the facility of packing and unpacking the regular files.
- In case of packing activity all the data of multiple regular files gets stored in singles file with all related metadata.
- To maintain the security of the data we provide encryption and decryption techniques.
- We provided Graphical user interface to interact with the application.

### **Certification:**

- Microsoft Certified – Azure Fundamental (AZ – 900)
- Microsoft Certified – Azure Data Fundamental (DP – 900)
- Udemy Certification – C Programming, C++ Programming, PL/SQL
- Udemy Certification - **Data Structure and Algorithm, Linux Operating System**

### **Personal Information:**

- Date of Birth: 15 June 1998
- Father Name: Balasaheb Mahadu Gapak
- Marital Status: Unmarried
- Nationality: Indian

The above-mentioned information is authentic to the best of my knowledge.

**Mayur Balasaheb Gapak**

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