Name:Vidya A Murteli
Email: vidyamurteli123@gmail.com
Mobile No: +917899768133

Summary:

To continuously enhance my knowledge, skills and experience to the best of my ability by getting involved in challenging work environment.

Academic Details:

Graduation	Year of Passing	Institute	University	% or GPA
Bachelor of Engineering (ISE)	2023	Basaveshwar Engineering College Bagalkote	Vishvesvaraya Technological University	8.5
Intermediate (12th)	2019	Thungala Science Composite PU College ,Jamakhandi	Pre University Education	84
SSLC	2017	Thungala English Medium High School Jamakhandi	Karnataka Secondary Education Examination Board	92.96

Technical Skills:

- Programming: C, Core Java, Python(Basics)
- Data Structures and Algorithms
- Database Management System and SQL
- HTML and CSS
- Operating System, Computer Networks

Internships and Certificates:

- Internship on Web Development at 1Stop
- Internship on Full stack web development at Eyesec Cyber Security Solutions Pvt. Ltd. Belagavi
- Participation certificate in “GGSY” organized globally by IIT Bombay
- Participation certificate in technical event “TECHNOPHILIA”

Project:

Hostel Mess-Management System (Mini project):A web portal that helps students to view their monthly mess fees and admin can enter daily attendance of students. It also provides various functionalities like calculating monthly mess fees of each student, providing and viewing the feedback.

Vehicle Safety and Alert System (Major Project): The system will try to avoid the accidents using sensors. If accident is unavoidable, then the system will detect the accident location and notifies to emergency services using GPS module. The system will rescue the victim of accident.

Personal Details:

Date of Birth: 07/03/2001
Languages known: Kannada, English, Hindi
Permanent Address: Vidya Nagar , Rabakavi, Dist: Bagalkote – 587314

Declaration:

I hereby declare that the information that I have furnished is legitimate to the best of my knowledge and ability.

Vidya A Murteli

BITWISE OPERATORS:

Bitwise Complement Operator("~"):

In Java, the bitwise complement operator is represented by the tilde (~) symbol. It is a unary operator that performs a bitwise negation on its operand. The bitwise NOT operator flips each bit of the operand, turning 0s into 1s and 1s into 0s.

Example:

```
 class Main {
 public static void main(String[] args) {

   int number = 42;

   // 42=00101010
   int result = ~number;
   System.out.println(result);
 }
}
```

Output:-43

Logical Not Operator("!"):

The logical NOT operator, often represented as "!" (exclamation mark),is a unary operator that negates the truth value of a Boolean expression. In other words, it flips the logical value of a proposition.

The logical NOT operator operates on a single Boolean value and has the following behavior:

- If the input value is true, the NOT operator returns false.
- If the input value is false, the NOT operator returns true.

```
 class Main {
 public static void main(String[] args) {
boolean x = true;
boolean y = !x;
System.out.println(y); // prints "false"
 }
}
```

Output:false

Big Integer("!"):

In Java, the BigInteger class is provided to handle arbitrary-precision integers. It allows you to perform mathematical operations on numbers that are too large to be represented using primitive data types like int or long. Here's an example of how to use BigInteger in Java:

Example:

```
import java.math.BigInteger;

public class BigIntegerExample {
    public static void main(String[] args) {
        BigInteger num1 = new BigInteger("12345678901234567890");
        BigInteger num2 = new BigInteger("98765432109876543210");

        // Addition
        BigInteger sum = num1.add(num2);
        System.out.println("Sum: " + sum);

        // Subtraction
        BigInteger difference = num2.subtract(num1);
        System.out.println("Difference: " + difference);

        // Multiplication
        BigInteger product = num1.multiply(num2);
        System.out.println("Product: " + product);

        // Division
        BigInteger quotient = num2.divide(num1);
        System.out.println("Quotient: " + quotient);

        // Modulus
        BigInteger remainder = num2.remainder(num1);
        System.out.println("Remainder: " + remainder);

        // Exponentiation
        BigInteger exponent = num1.pow(2);
        System.out.println("Exponent: " + exponent);
    }
}
```