

SHALINI P LADWA



H.no: 166, 3rd Cross, Shankarjyotinagar, Sutagatti,
Hubli, Dharwad - 25

Phone.no: 8147250919

E-mail: shaliniladwa2001@gmail.com

LinkedIn: www.linkedin.com/in/shalini-ladwa-2174a7201 

OBJECTIVE

Looking for a challenging career which demands the best of my professional ability in terms of Technical and Analytical skills which help me in enhancing my career through your company while being innovative.

EDUCATION

Bachelor Degree (2019-2023)

- | Jain College of Engineering & Technology, Hubballi-25.
Electronics and communication Engineering (8.79 CGPA*).
- | **Extracurricular activities and achievements:**
 - Certification in "Introduction to IoT".
 - Certification in "Unacademy Career Assist 2.0".

Pre-university (2017-2019)

- | JSS R S Hukkerikar Science College, Dharwad (77.33%).
- | **Extracurricular activities and achievements:**
 - Participated in Inter-College competitions (Dancing, Painting) and bagged prizes.

Secondary School (2017)

- | Navanagar Rotary English Medium School, Dharwad (92.00%).

SKILLS

- | Working knowledge of MS Office (Excel/Word/PowerPoint), Scilab, Xilinx ISE, keil uvision (Basis), C-Programming (Basics), Verilog (Basics), Python(basics), HTML, CSS.
- | Strong interpersonal skills with ability to effectively interact with people, Quick learner.
- | Languages known: English (R/W/S), Kannada (R/W/S), Hindi (R/W/S).
- | Good communication skills, Good listener, Leadership Qualities.

PROJECTS

Title: Project on “CHANAKSHA KHOLAKA: AN IOT BASED SMART HELMET FOR INDUSTRIAL AND MINING WORKERS”.

Discription: The helmet monitors the physical conditions of the construction workers and sends notification to the Contractor via the Mobile.

HOBBIES

Baking, Drawing, Painting, Listening to Music.

PERSONAL DETAILS

Father Name: Prakash S Ladwa

Mother Name: Laxmi P Ladwa

Date of Birth: 31 May 2001

Nationality: Indian

DECLARATION

I hereby certify that the above given data are true and correct to the best to my knowledge and belief.

Bitwise Operators in Java.

1. Bitwise OR (|)

This operator is a binary operator, denoted by '|'. It returns bit by bit OR of input values, i.e., if either of the bits is 1, it gives 1, else it shows 0.

2. Bitwise AND (&)

This operator is a binary operator, denoted by '&.' It returns bit by bit AND of input values, i.e., if both bits are 1, it gives 1, else it shows 0.

3. Bitwise XOR (^)

This operator is a binary operator, denoted by '^.' It returns bit by bit XOR of input values, i.e., if corresponding bits are different, it gives 1, else it shows 0.

4. Bitwise Complement (~)

This operator is a unary operator, denoted by '~.' It returns the one's complement representation of the input value, i.e., with all bits inverted, which means it makes every 0 to 1, and every 1 to 0.

```
class Bit1 {  
    public static void main(String[] args)  
    {  
  
        int a = 5;  
        int b = 7;  
        // 0101 & 0111=0101 = 5  
        System.out.println("a&b = " + (a & b));  
        System.out.println("a|b = " + (a | b));  
        System.out.println("a^b = " + (a ^ b));  
        System.out.println("~a = " + ~a);  
        System.out.println("a= " + a);  
    }  
}
```

Output:

a&b = 5

a|b = 7

a^b = 2

~a = -6

a= 5

Bit-Shift Operators (Shift Operators)

Shift operators are used to shift the bits of a number left or right, thereby multiplying or dividing the number by two, respectively. They can be used when we have to multiply or divide a number by two.

Types of Shift Operators:

Shift Operators are further divided into 4 types. These are:

1. Signed Right shift operator (>>)
2. Unsigned Right shift operator (>>>)
3. Left shift operator(<<)
4. Unsigned Left shift operator (<<<)

2) Program on Bitwise shift Operation.

```
class BitwiseOperators {
    public static void main(String[] args) {
        Scanner input = new Scanner(System.in);

        System.out.print("Enter first number: ");
        int num1 = input.nextInt();

        System.out.print("Enter second number: ");
        int num2 = input.nextInt();

        System.out.println("Bitwise AND: " + (num1 & num2));
        System.out.println("Bitwise OR: " + (num1 | num2));
        System.out.println("Bitwise XOR: " + (num1 ^ num2));
        System.out.println("Bitwise NOT: " + (~num1));
        System.out.println("Bitwise Left Shift: " + (num1 << 2));
        System.out.println("Bitwise Right Shift: " + (num1 >> 2));
        System.out.println("Bitwise Unsigned Right Shift: " + (num1 >>> 2));

        input.close();
    }
}
```

Input

Enter first number: 4
Enter second number: 8

Output

Bitwise AND: 0
Bitwise OR: 12
Bitwise XOR: 12
Bitwise NOT: -5

Bitwise Left Shift: 16

Bitwise Right Shift: 1

Bitwise Unsigned Right Shift: 1