

RESUME

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Address : D.no:3-0,Vekanuru(V),Avanigadda (M),
Krishna(Dist),521121(AP).

Carrier Objective :

- To initiate and progress my carrier with a good company ,Where I Can Utilize my technical and managerial Skills for the development of Organization and enhance my Knowledge.

Educational Qualifications :

Qualification	Institute	Board /University	Year of passing	Percentage
B.tech (Computer Science &Engineering)	St. Mary's Women 'S Engineering College, Budampadu	Jawaharlal Nehru Technological University :Kakinada	2023	75
Intermediate	Pragathi Mahila Junior College, Avanigadda	Board of Intermediate Education AP	2019	95
SSC	Z.P.H.School, Avanigadda	Board of Secondary Education AP	2017	90

Technical Skills :

- Basics in Java,Python,C.
- Basics DBMS,SQL,SDLC
- Ms.Office
- Good at Typing.

Projects:

- **Securing Data With Block Chain and AI**

Internships/ Certificates:

- Certificate Of Internship on JAVA FULL STACK.
- Certificate Of Internship on PYTHON.

Personal Skills:

- Quick And always eager to learn new technologies.
- Excellent Written and verbal communication Skills.
- Highly organised and efficient .
- Ability to work independently or as part of a team.
- proven leadership skills and ability to motivate.
- Hard Working, Creativity, Self-Motivated, Target Oriented, problem Solver.

personal Profile :

- **Name** : G.B.P.K.Sruthi
- **Date Of Birth** : 02 January 2002
- **Hobbies** : Video Editing, Photography ,Drawing
- **Nationality** : Indian
- **Languages Known** : Telugu ,English

Permanent Address :

D.no : 3-0, Vekanuru(v),Avanigadda(m),Krishna (dist)

Pincode : 521121, Andhra Pradesh.

Declaration :

- I here by declare that the details mentioned above are accurate to the best of my knowledge and I bear the responsibility for the correctness of the above mentioned particulars.

Place :

Date :

Signature

Bitwise Operators in Java

- Bitwise operators are used to performing the manipulation of individual bits of a number.
- Bitwise Operators are an important tool for optimizing performance, improving code readability, and reducing code complexity in Java applications.

❖ There are seven Bitwise operators

1. Bitwise AND (&)
2. Bitwise OR (|)
3. Bitwise XOR (^)
4. Bitwise NOT (~)
5. Bitwise Left Shift (<<)
6. Bitwise Right Shift (>>)
7. Bitwise Zero Fill Right Shift (>>>)

➤ 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.

Example:

```
a = 5 = 0101 (In Binary)
```

```
b = 7 = 0111 (In Binary)
```

```
Bitwise AND Operation of 5 and 7
```

```
0101
```

```
& 0111
```

```
0101 = 5 (In decimal)
```

➤ 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.

Example :

```
a = 5 = 0101 (In Binary)
b = 7 = 0111 (In Binary)

Bitwise OR Operation of 5 and 7
  0101
| 0111
-----
  0111 = 7 (In decimal)
```

➤ 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.

Example :

```
a = 5 = 0101 (In Binary)
b = 7 = 0111 (In Binary)

Bitwise XOR Operation of 5 and 7
  0101
^ 0111
-----
  0010 = 2 (In decimal)
```

➤ Bitwise NOT (~)

- 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.

Example :

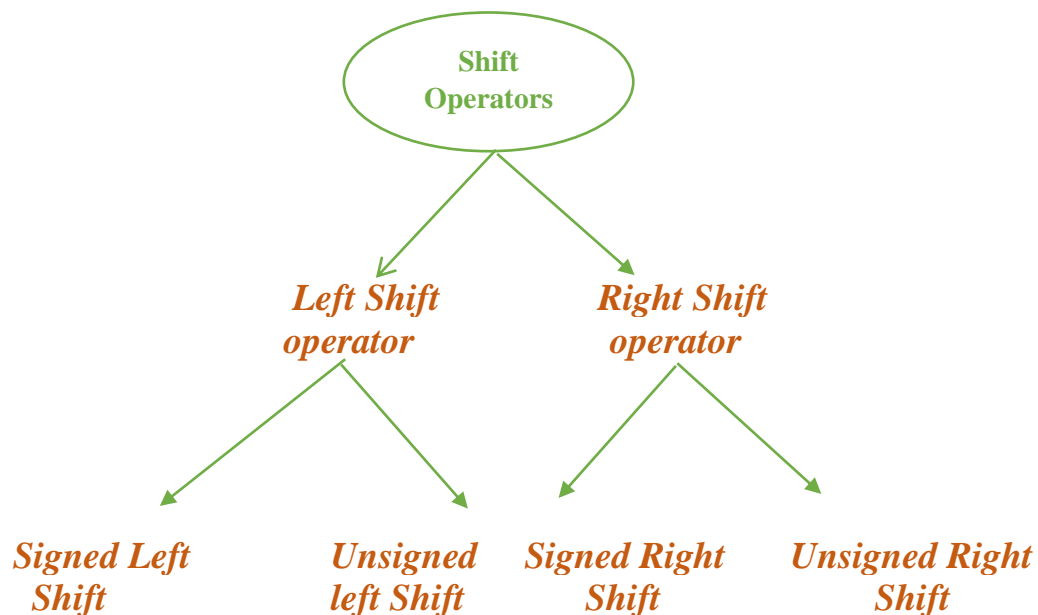
```
a = 5 = 0101 (In Binary)
```

```
Bitwise Complement Operation of 5
```

```
~ 0101
```

```
-----  
1010 = 10 (In decimal)
```

➤ Shift Operators in java



➤ Signed Left Shift :

- This operator is represented by a symbol <<, read as double less than.

Syntax :

left_operand << number

➤ Unsigned Left Shift :

- There is No Unsigned Left Shift Operator In Java.
- There is no “<<<” operator in Java because the logical (<<) and arithmetic left-shift (<<<) operations are identical.

➤ Signed Right Shift:

- The Right Shift Operator moves the bits of a number in a given number of places to the right. The >> sign represents the right shift operator, which is understood as double greater than.

Syntax :

left_operand >> number

➤ Unsigned Right Shift :

- Unsigned Right Shift Operator moves the bits of the integer a given number of places to the right.
- The sign bit was filled with 0s. The Bitwise Zero Fill Right Shift Operator is represented by the symbol >>>.

Syntax :

left_operand >>> number

*Presented by
Sruthi.Garikipati*