# Riya Sharma

📍 Noida, India  📞 8755409634  ✉ sharmariya36246@gmail.com  🔗 riya-sharma31  ⌾ Riya8532

## Education

| | |
|---|---|
| **JSS Academy Of Technical Education,Noida** | **Dec 2020 – Aug 2024** |
| *Btech in ECE (GPA: 8.38/10.0)* | *Noida,UP* |
| **Sanskar Public School, Mathura** | **April 2020** |
| *Intermediate(percentage:91.2/100)* | *Mathura,UP* |

## Relevant Coursework

- Data Structures & Algorithms
- SQL
- DBMS
- Digital System Design
- Data Communication Networks
- Operating System
- Object Oriented Programming

## Projects

**CRYPTOFORGE** | *Java*     **March 2023**

- A Data Security project using three key security; Color Key, Key Values and Armstrong Number
- Implemented Armstrong and Color Cryptography methods in Java to convert plain text into cipher text
- Achieved enhanced data security through assymetric key cryptography techniques
- Demonstrated problem-solving skills and algorithmic thinking in data security with cryptography.
- GithubRepo: https://github.com/Riya8532/CryptoForge

**FITRAHO** | *HTML5, CSS, REACT*     **December 2022**

- This project aims to help individuals maintain an active lifestyle by offering a wide range of exercises, workout routines, and fitness tips.
- It is a front-end project built using ReactJS , material UI and integrated with the Rapid API platform to provide a comprehensive fitness resource for users.
- GithubRepo: https://github.com/Riya8532/Fit_Raho

**RSA Implementation Using FPGA** | *Verilog(Software),FPGA(Hardware)*     **October 2023-Ongoing**

- This is my final year ECE project that focusses on data security.
- RSA Technique is used here for data security.
- Efficient RSA Operations: The primary objective is to design, implement, and optimize RSA hardware components on an FPGA board.
- Utilize the capabilities of an FPGA to accelerate the RSA algorithm by leveraging parallel processing and other hardware optimization techniques, thus making it suitable for applications requiring quick cryptographic processing.

## Technical Skills

**Languages**: Java, HTML, CSS, JavaScript, SQL
**Developer Tools**: GitHub, VS Code, Eclipse, Google Cloud Platform
**Frameworks**: React, Bootstrap

## Achievements

- Institute Rank-52 out of 1100 geeks by geeksforgeeks
- Leetcode Contest highest ranking 1340
- WINNER(x2) of AKTU STATES SPORTSFEST 2021-22
- WINNER(x2) of AKTU ZONALS SPORTSFEST 2022-23.
- Open Source Contributor at GSSOC'22 and Hacktoberfest'22.