RIYA SHARMA

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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
- Communication Network
- Operating System
- Object Oriented Programming
- Microsoft Excel

EXPERIENCE

Kellton Tech.   **July 2023 – Sep 2023**
Frontend Developer Intern   *Gurgaon*
- Collaborated with the team to create responsive and visually appealing user interfaces, Demonstrated adaptability and a willingness to learn in a dynamic work environment.
- Gained proficiency in HTML, CSS, JavaScript, and front-end frameworks.

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 HTML, CSS, JAVASCRIPT 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
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.