# Saloni Sharma

Codeforces | Leetcode | GFG
Department of Computer Science and Technology
Malaviya National Institute of Technology Jaipur (MNITJ)

salonisharmaa16@gmail.com
Salonisharmaaa ◈|saloni-sharma1 🔗
+91-7014015927

| Degree/Board | Institution | Year | CGPA/% |
|---|---|---|---|
| B.Tech, CSE | Malaviya National Institute of Technology Jaipur | 2022 - Present | 7.91/10.0 |
| RBSE – XII | Swami Vivekanand Vidya Mandir | 2021 | 99.4% |
| RBSE – X | Swami Vivekanand Vidya Mandir | 2019 | 92.67% |

## Technical Skills

**Languages**: C/C++, Python (for ML/DL tasks), SQL (Basic)
**Web**: HTML5, CSS3, JavaScript.
**Utilities**: Linux Shell Utilities (Basic), Git, LaTeX, Canva, Figma, Doxygen.
**Data Science:** Machine Learning, Keras, Numpy, Pandas, streamlit, OpenCV.
**Data analytics**: Data visualization, Data cleaning, Tableau, SQL.
**Cyber Security:** CVE analysis, exploiting the Vulnerable Machines, Tools in Kali Linux (learning).
**Soft Skills**: Leadership, Event Management, Designing, Team player, self-motivated, fast learner.

## Projects

### CryptTool [Link]
Cryptograpy                                    Dec'24 - Dec'24

- Developed a Graphical User Interface where user can give an encrypted message and select a decryption technique to get the plain Text.
- Implemented using python and for giving a graphical user interface streamlit was used.
- Tech Stack: Python, streamlit.

### Iris Detection Control Model - VISIONARY [Link]
Iris Detection, Image Processing, Machine Learning      Jan'25 - Feb'25

- Developed a software model on face and iris matrix estimation, to achieve mouse functionalities such as mouse control movements through right eye, along with left clicks, all controlled by the Iris of a Person, especially in cases of Disability and Body Paralysis.
- still to develop a UI for it.
- Tech Stack: Python, MediaPipe, OpenCV

### Movie Recommender System [Link]
Machine Learning, Information Retrieval         Jun'24 - July'24

- A Content-Based Movie Recommender System suggests movies to users based on the features of previously watched or selected movies.
- Built with Python, Pandas, and Scikit-learn, and deployed with Streamlit for an interactive UI. Trained on TMDB dataset.
- Tech Stack: Python, Pandas, Streamlit, Pickle, Scikit-learn.

### Netflix & Spotify Clone [Link]
Front-end development                          Jun'24 - July'24

- Developed a pixel-perfect clone of Netflix and Spotify, replicating their UI using HTML, CSS, and JavaScript.
- Implemented responsive design for seamless viewing across different screen sizes.
- Added interactive elements like hover effects, animations, and media controls to enhance user experience.
- Used Flexbox, Grid, and CSS animations to achieve a professional look and feel.
- Tech Stack: HTML, CSS, JavaScript.

## Work Experience

**CSE Department, MNITJ**                        Jaipur, India
Cyber-Security Intern                           Dec'23 - Feb'24

- Contributed to many CVE analysis and running the exploits for the same by creating the VM's.
- Prepared the Dataset by generating the diff of the patched and unpatched Linux Kernel.
- Tech Stacks Used - Python, Doxygen, Pyvis.

## Achievements

- Reached final stage in Competitions like Startup Concurso (by E-Cell IIT BHU), Pitcher Perfect (hosted by IIMB)
- Max-Rating: 1,443 LeetCode
- 500+ solved questions on various competitive platforms.

## Positions of Responsibility

### Executive
Entrepreneurship Development Cell, MNIT Jaipur      Jan'23 - Jun'24

- Worked with a team of 30 individuals and lead my junior year students
- Participated in many Startup Pitching and Consultancy Competitions.
- Organized many networking events with startups in MIIC and also hosted many case study competitions.

## Technical Courses

- Data Structure and Algorithm, Object Oriented Programming, Computer Networks, DBMS, Operating System, OpenMP, software engineering, Computer Architecture.

## Miscellaneous

- 200+ questions on leetcode and 150+ questions on geeksforgeeks and the contest rating of 1,443 at leetcode.
- Volunteered as Cultural Team member in Blitzschlag'22, biggest cultural fest of Rajasthan.