

Rishit Chawla

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Work Experience

DEAL (DRDO) - Summer Intern

June 2024 – July 2024

- Studied advanced cryptography algorithms including AES, RSA and various hash functions.
 - Gained a deep understanding of their applications and implications in data security through python-based utilities.
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Education

Bachelor of Technology (BTech) in Computer Science

Vellore Institute of Technology, Expected July 2026

Current GPA: **9.19***

Senior Secondary Education

Doon International School, July 2022

- Senior Secondary result: 96.6%
 - Secondary result: 97.6%
 - IOQM 2021-22 state rank under 30
 - Qualified for INMO 2021-22
 - Part of School Prefectorial Board
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Skills

- **Key Courses:** Data Structures and Algorithms, Object Oriented Programming (OOP)
 - **Programming Languages:** C, C++, Python, Java, R, HTML, CSS, JavaScript
 - **Libraries/Frameworks:** React
 - **Tools / Platforms:** Git, VS Code, GitHub, Linux, Windows, Flask
 - **Databases:** MySQL
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Achievements

- **Certificate of Merit, Vellore Institute of Technology:** Achieved second rank in the branch - Computer Science and Engineering specialization in Internet of Things.
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Certifications

- **C Programming For Beginners - Master the C Language**
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Languages

- English, Professional Working
 - Hindi, Professional Working
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Projects

- **AES-based-Encryption-Decryption-Utility** Python
 - Provides file encryption and decryption using AES algorithm.
 - User inputs key and file path, with optional zip file creation.
 - Tkinter GUI for browsing files and saving processed output.
- **SHA-512-based-Hash-Code-Generator-Utility** Python
 - Computes SHA-512 hash of a file's content appended with a user-provided key.
 - Allows users to browse for files and save the computed hash to a specified location via a Tkinter GUI.
 - Displays success or error messages depending on file processing and hash computation outcomes.
- **Music-player-website** JavaScript, HTML, CSS
 - Implemented playlist display with song thumbnails and titles.
 - Designed custom audio controls with play/pause functionality.
 - Ensured a seamless user experience with in-line playlist items and interactive elements.