

Mayank Singh

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SUMMARY

A self-motivated and free minded individual moving with the flow to excel upcoming opportunities.

EDUCATION

- **Bachelor of Technology in Computer Science**
 - o Jaypee Institute of Information Technology
 - o GPA: 6.9
 - **Senior Secondary**
 - o Children's Academy
 - o Percentage: 94.2%
 - **Secondary**
 - o Children's Academy
 - o Percentage: 87.8%
- Noida, UP — June 2025
 - Vijay Nagar SEC-09, GZB, UP -- 2020
 - Vijay Nagar SEC-09, GZB, UP -- 2018

SKILLS

- **Languages:** C, C++, Python
- **Web Development:** HTML, CSS, Javascript
- **Data Structures and Algorithms**
- **Libraries/Frameworks:**
 - Data Manipulation and Analysis: Pandas, NumPy
 - Data Visualization: Matplotlib, Seaborn
 - Machine Learning Libraries: Scikit-learn, XGBoost
 - Big Data Processing: Hadoop
 - Database and SQL: SQL

RECOGNITION AND EXPERIENCE

- Team Member, JYC (Jaypee Youth Club)
- Core Team Member, Student council in school
- Team Member, IIIT OPTICA Society
- Participation in various college debates
- Leader, OSDHACK Hackathon

PROJECTS

1) **Youtube Clone:** Javascript, react, Youtube API(<https://github.com/mayanksingh1/youtube-clone>)

- **Video Upload and Playback:** Implement features for uploading and viewing videos, similar to YouTube's core functionality.
- **Search Functionality:** Create a search system to help users find videos based on keywords, categories, or channels.
- **Category Sections :** Organize content into various categories like Music, Gaming, News, and more, allowing users to easily browse and discover videos based on their interests.

2) **A lightweight memory-based explainable obfuscated-malware detector using Machine Learning Skills:** Python, Matplotlib, Seaborn, Scikit-learn, XGBoost

- Introduced a lightweight obfuscated malware detector based on machine learning that is also explainable
- Based on extreme gradient boost, the proposed method achieves a detection accuracy of over 99%.
- These five features were selected using recursive feature elimination, based on feature importance.