

## Summary

Analytical MCA student with hands-on experience in cybersecurity, digital investigations, and machine learning system development. Expertise in analyzing complex systems and implementing data-driven solutions to enhance application security and performance. Strong foundation in user-focused design and database optimization, driving innovative research and problem-solving efforts.

## Skills

- Application Penetration Testing
- Cyber Forensics
- Python
- JavaScript
- Java (Core Java)
- OOP
- AWS Cloud Services
- Database Management Systems (MySQL)
- Oracle
- Blockchain Technology
- UI Development (Java Swing / AWT)
- SQL Query Optimization
- Machine Learning
- Data Analysis
- Digital Forensics Tools and Techniques

## Education

**Institute of Chartered Financial Analysts of India (ICFAI)**  
**Master of Computer Applications (MCA) - Computers, CGPA: 7.5/10**

2026

**Tripura**

**12th Grade, 65.0%**

2020

**Tripura**

**10th Grade, 65.0%**

2018

## Experience

**IIT Kharagpur**

**Intern**

Jan 2026 - Present

- Collected, examined, and analyzed digital evidence from systems and storage media.
- Conducted digital forensic analysis on Linux-based systems, identifying critical evidence for investigations.
- Employed command-line utilities and open-source forensic tools for effective data recovery and investigation.
- Worked with team members to streamline investigation processes and enhance analysis workflows.

**Aperture LLC**

**Intern**

Nov 2025 - Present

- Collected, examined, and analyzed digital evidence from systems and storage media.
- Conducted digital forensic analysis on Linux-based systems, identifying critical evidence for investigations.
- Employed command-line utilities and open-source forensic tools for effective data recovery and investigation.

- Worked with team members to streamline investigation processes and enhance analysis workflows.

### **Skarma Softech Pvt Ltd**

**Intern**

May 2023 - Jul 2023

- Developed and optimized computer vision algorithms for detection, tracking, and speed estimation.
- Tested system accuracy and collaborated with engineers to implement improvements.
- Researched and selected camera-based vehicle speed detection system that met budget constraints.

## **✿ Certifications**

- Machine Learning Using Python
- Application Penetration Testing
- Gemini Certification for Student K-12

## **📄 Projects**

- DDoS Attack and Detection (2 Months)
- Restaurant Billing System (1 Month)

## **🌐 Language**

English(Proficient, C2)

Hindi(Proficient, C2)

Bengali(Native)

German(A1)