

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)