

# Aryan Singh Shaktawat

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## Scholastic Achievements

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- Secured 92% in Class 10th CBSE Board, Sir Padampat Singhanian School, Kota (2021) with consistent academic excellence
- Achieved 84% in Class 12th CBSE Board, Sir Padampat Singhanian School, Kota (2023) focusing on science and mathematics
- NCC 'A' Certificate Examination, 14 RAJ BN NCC - Demonstrated leadership and discipline
- Awarded multiple honors and certificates for academic performance, sports participation, and Olympiad achievements

## Internships and Experience

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**Cyber Security Intern — STF Cyber Cell, Uttarakhand Police, Dehradun**     *June 2025 – July 2025*

- Assisted Special Task Force cyber unit in real-time cybercrime investigations and digital forensics operations
- Developed and maintained a Python-based Cyber Investigation OSINT Toolkit (CIOT), enhancing evidence collection, case tracking, and reporting with an interactive CustomTkinter GUI
- Automated workflows for digital evidence management, improving efficiency in active cybercrime cases by 40%
- Collaborated with senior officers to streamline open-source intelligence (OSINT) operations and case documentation
- Supported community outreach by contributing to public awareness campaigns on eye donation and digital safety

**Social Intern — Shine India Foundation**

*June 2024 – July 2024*

- Participated in social campaigns and community engagement initiatives focusing on health awareness and public welfare
- Assisted in organizing events and managing digital outreach activities for community development
- Contributed to volunteer coordination and event management for community service programs

## Key Projects

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- **Cyber Investigation OSINT Toolkit (CIOT):** Comprehensive digital investigation tool featuring case management, evidence logging, automated report generation, and social media profile analysis. Built with Python, CustomTkinter, and integrated multiple APIs for enhanced functionality. (*Available on GitHub*)
- **PYQ Analyzer – Repeated Question Predictor:** Machine learning-based Python application that analyzes previous years' question papers to predict frequently asked questions, featuring data visualization and statistical analysis for targeted exam preparation.

- **Personal Portfolio Website (shaktawat.in):** Professional multi-page portfolio website with responsive design, dark/light theme functionality, and integrated resume showcase. Built using modern web technologies with custom domain implementation.
- **Todo App:** Full-featured task management application with user-friendly interface, developed using Python with database integration for persistent data storage.
- **Emergency Response App 'BACHAAV':** Co-developed a secure, mobile-based emergency alert application during UPES CSA Hackathon 4.0, focusing on real-time notifications, location services, and robust backend security.
- **Data Structures Implementation (2024):** Comprehensive collection of data structure implementations and algorithms in multiple programming languages, demonstrating proficiency in computer science fundamentals.

## Positions of Responsibility

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- **Operations Head** – IEEE Signal Processing Society Student Branch Chapter, UPES (2025): Led chapter operations, coordinated technical sessions, managed event logistics, and enhanced student engagement through innovative programming
- **Core Member** – Taal Tarang, Official Dance Club, UPES: Contributed to event organization, choreography planning, and peer collaboration in cultural activities
- **Organizing Team Member** – Major college fests (TAAL TARANG, UURJA'23): Assisted in strategic planning, coordination, and execution of large-scale student events with 1000+ participants
- **Active Member** – CSI Student Chapter: Participated in backend operations, technical event support, and collaborative programming initiatives

## Technical Skills

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- **Programming Languages:** Python (Advanced), C, C++, Java (OOP), JavaScript, HTML
- **Frameworks & Tools:** CustomTkinter, Flutter (Cross-platform development), Git, GitHub
- **Specialized Skills:** Digital Forensics, OSINT Methods, Cyber Security Fundamentals, Linux Terminal Operations, Bash Scripting
- **Database & Web:** Database management, Web development basics, API integration
- **Soft Skills:** Event management, team coordination, social media content creation, poster design, leadership

## Relevant Courses

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**Core Computer Science:** Problem Solving and Algorithms, Object Oriented Analysis and Design (OOAD), Data Structures and Algorithms

**Cybersecurity Specialization:** Cyber Security Fundamentals, Digital Forensics & OSINT Methods, Cryptography

**Mathematics & Systems:** Probability Mathematics, FLAT (Fundamentals of Logic and Automata Theory), Embedded Hardware and Peripheral Techniques (EHPT)

## Academic Background

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**B.Tech CSE (Cyber Security & Forensics)**  
School of Computer Science, UPES, Dehradun

2023 – Present

Current CGPA: 7.8/10.0

**Class 12th (Science Stream)**

2021 – 2023

Sir Padampat Singhanian School, Kota – CBSE

Percentage: 84%

**Class 10th**

2019 – 2021

Sir Padampat Singhanian School, Kota – CBSE

Percentage: 92%

## Certifications & Training

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- Drone Technology Bootcamp - NIT Kurukshetra (2024): Hands-on experience in drone piloting, embedded sensor integration, and autonomous control systems
- Flutter Workshop - Open Community, UPES: Practical training in cross-platform mobile app development
- Event Volunteer Certificate - Dholida'24
- Blood Donation Certificate - IMA Blood Bank

## Extracurricular Activities

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- **Cultural Leadership:** Core Member of Taal Tarang (Official Dance Club, UPES) — actively participated in performances and helped organize major cultural events
- **Event Management:** Played key organizational roles in major college fests (TAAL TARANG, UURJA'23), managing operations, logistics, and coordination for 1000+ attendees
- **Peer Leadership:** Led technical and non-technical peer groups, promoting skill development, teamwork, and collaborative learning
- **Community Service:** Active volunteer for blood and eye donation drives coordinated by IMA Blood Bank and Shine India Foundation, contributing to healthcare awareness