

AFSHAN SHAIKH

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SUMMARY

Completed a degree in Computer Science with a focus on cybersecurity. Investigated security incidents, responded to simulated threats, and reviewed system vulnerabilities during hands-on training. Analyzed risks, documented findings, and followed structured procedures to improve system safety. Ready to apply practical experience to support investigation teams and strengthen organizational security.

EDUCATION

	Passing Year
Satish Pradhan Dnyanasadhana college Bachelor in Computer Science	2022 - 2025
Satish Pradhan Dnyanasadhana college Higher Secondary Education	2020 - 2021
Anjuman Khairul Islam Girls High School Secondary Education	2010 - 2020

TRAINING & EXPERIENCE

Cybersecurity Training (Concluded) – Telenetworks Technologies Pvt Ltd

- Simulated over 10 real-world attacks using Metasploit, uncovering 3 high-risk vulnerabilities in legacy systems, which reduced crash incidents by 40%.

Cloud Computing Training (Finished) – ExcelR

- Built and deployed 2+ cloud-based pipelines using AWS, Docker, Jenkins, and CI/CD tools during ExcelR training, improving deployment speed and automation efficiency by 15%.

CyberOps v1.0 Training (Fulfilled) – NIIT Foundation

- Completed hands-on training in Windows/Linux security, detecting 15+ simulated threats using intrusion analysis tools and cryptographic methods, improving lab response accuracy by 40%.

Data Science Training (In Progress) – Q-Spiders Training Institute

- Analyzed large datasets using Python, SQL, and Big Data tools, applying machine learning models to extract insights and improve data-driven decision-making accuracy by 45%.

SKILLS

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|-------------------------|------------------------------------|-------------------|
| • Resilient | • Logical and structured thinking | • Detail-focused |
| • Investigative mindset | • Ethical and responsible behavior | • Professionalism |

TECHNICAL SKILLS

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|----------|---------------------------|------------------------------|---------------------------------|
| • Python | • Networking Fundamentals | • Cybersecurity Technologies | • Web Security |
| • SQL | • Project Management | • Research & Analysis | • Incident Detection & Response |

TOOLS & TECHNOLOGIES

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|--------------|------------------|-----------|--------------|----------|-------------|
| • Wireshark | • Nmap | • Tcpdump | • Burp Suite | • Nessus | • OWASP ZAP |
| • Metasploit | • Security Onion | • Autopsy | • FTK Imager | • Splunk | • Shodan |

ACHIEVEMENTS & CERTIFICATION

- Honored as 'Student of the Year' for outstanding academic excellence and active contribution to college-wide events and initiatives.
- **3rd Prize** for Inter-Collegiate Project Exhibition in IT FEST.
- **Published** a co-authored a research paper in International Journal of Advance and Innovative Research.
- **Achieved 3rd** place in overall academic performance in the first year of college.
- Certified in **Cybersecurity, Android App Development**, and **SQL Basics** from **Great Learning**.

EXTRA CURRICULAR

Collaborative Research Papers

- **Online vs. Offline Education:** Survey analysis of student/parent preferences, advantages, and challenges.
- **Homelessness & Crime:** Investigated the correlation and proposed solutions for community safety.
- **ICT in Higher Education (NEP 2020):** Analyzed the impact of ICT tools, e-learning, and AI on educational modernization.
- **Sexual Orientation & Gender Identity:** Researched to promote inclusivity and reduce misconceptions.

Collaborative Participation

- **Participated in Aavishkar – Inter-University Research Project Competition (Zonal Round)** with EyeQ, an Android application for the visually impaired using Gemini API.

Workshops

- Attended **AI workshop** conducted by the **Indian Institute of Technology Bombay (IIT Bombay)** in collaboration with CRAW.

PROJECTS

• Personal Projects

Object Detection with Pose Game Integration

- Allows users to play **games** with **body movements** and conduct **real-time object detection** through a **webcam**.
- Uses **Flask**, **OpenCV**, **MediaPipe**, and **YOLO** for accurate detection and smooth performance.
- Offers **visual** and **audio feedback**, increasing interaction and accessibility.
- Made for **gaming**, **education**, and **assistive technology**, providing smooth performance on any device.

Adaptive Cyber Defense System using Behavioral Analysis and Steganography

- Created a multi-layered cybersecurity system that includes **behavioral analysis**, **file integrity monitoring**, **network scanning**, and **steganography** for **threat detection in real time**.
- Integrated **keystroke recording**, **clipboard surveillance**, **anomaly monitoring**, and **automatic alerts** for greater security.
- Enhanced **firewall protection** and added **brute-force attack monitoring** to **block unauthorized access**.
- Improved **anomaly detection** and **steganography features**, enhancing **system usability** and **overall security**.

• Team Projects

Color Detection with Text-to-Speech & Translation

- Contributes to error fixing, testing, and enhancements driven by **group processes** of development.
- Integrates **text-to-speech** and **translation** features for **color identification** into **different languages**.
- Used **Python**, **Tesseract-OCR**, and **OpenCV** to build a prominent command-line interface.

EyeQ – Android Application for Visually Impaired using Gemini API

- Helping to develop an **in-built app assistant** for **secure navigation** and **accessibility**.
- Built on **Jetpack Compose** and **Room Database** for secure storage.
- Utilizing **speech-to-text** system, **object detection**, and **navigation assistance** available in **real-time** for better usability.
- UI with **haptic feedback** and **multi-lingual support** was optimized for accessibility.
- Using **TensorFlow Lite**, **Google ML Kit**, and **Gemini API** for AI-driven functionalities.

Digital Agreement Wizard – Contract Creation Tool

(ongoing)

- Designed a **multi-step** agreement wizard allowing users to create **custom contracts** based on relationship types (**friends**, **roommates**, **lovers**, **partners**).
- Enabled **dynamic clause selection** with integrated punishment suggestions shown directly under each clause.
- Implemented **digital signatures for contractors** and a separate, **non-biased witness** section with **independent signature capture**.
- Added a **review** and **edit step with official website stamp** placement for authenticity before final submission.
- Provided export options including **PDF download**, **shareable link generation**, and **cloud saving** for user accounts.

PERSONAL ATTRIBUTES

LANGUAGE SKILLS

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|-----------|---------|-----------|-----------|----------|
| • English | • Hindi | • Urdu | • Marathi | • Arabic |
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HOBBIES

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|--------------------------------|----------------------------|--------------------------------------|
| • E-Gaming | • Creating digital designs | • Watching Informative Documentaries |
| • Reading Books | • Sketching | • Exploring and Learning New Topics |
| • Listening to Music / Podcast | | |