PERSONAL INFORMATION

SANJANA GAIKWAD

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WORK EXPERIENCES

May 2026–Jun. 2026
1m · Work Study
Online

Cyber Security Project: AI-Driven Log Anomaly Detection and Splunk HEC Integration Pipeline

Course/Module: Advanced Executive Program in Cybersecurity with iiit-b
Simplilearn Solutions Pvt Ltd.
No. 53/1 C (Nalanda), Sector 2 - HSR Layout, Bengaluru - 560102, Karnataka (India)
Institution's field of business: Online Platform Based Digital Skills Training Institution
www.simplilearn.com

- **Responsibilities/Topics/Tasks:**
  - Exported and parsed historical log data from Splunk using Python
  - Implemented an unsupervised machine learning model (Isolation Forest) to detect behavioural anomalies without manual thresholds
  - Cleaned & transformed raw, unstructured log data into usable features for the model
  - Built a live streaming pipeline into Splunk using the HTTP Event Collector (HEC)
  - Resolved timestamp formatting issues, converting data from CSV strings to Unix epoch time for Splunk compatibility
  - Created dashboards and search queries to help security analysts monitor detected anomalies
- **Inference/Result/Outcome:**
  - Integrated Splunk to receive and monitor log data in real time using its HTTP Event Collector (HEC), a secure API for feeding data into Splunk
  - Used a bit of AI (machine learning) to automatically detect unusual log entries instead of relying on fixed rules
  - Sent only the flagged, unusual entries into Splunk, keeping the dashboard focused on real issues
  - Fixed a data formatting bug that was causing failed uploads to Splunk, making the pipeline reliable

Earned key skills: Splunk, Log Management, SIEM

Apr. 2026–May 2026
1m · Work Study
Online

Cyber Security Project: Enhancing Windows Security Through Logon Monitoring and Automated Reporting

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- **Responsibilities/Topics/Tasks:**
  - Configured Windows audit policies to monitor user logon activity in detail
  - Collected and analyzed authentication event logs for signs of potential suspicious security activities
  - Built a PowerShell script to parse logs and extract key security details
  - Generated structured CSV reports for daily review and record-keeping
  - Automated the reporting process using Windows Task Scheduler
  - Tested the monitoring pipeline end-to-end to confirm it worked reliably
- **Inference/Result/Outcome:**
  - Set up Windows to track logon activity automatically
  - Wrote a script that reads and organizes the logon logs
  - Created detailed daily access monitoring reports for successful, failed, and admin logons
  - Automated the whole process so it runs on its own every day
  - Tested it to make sure it worked correctly

Earned key skills: PowerShell, Windows Security, Automation

Jan. 2025–Jun. 2025
6m · Full-time
On-site

Capstone Project: IoT-Based Automated Paralysis Patient Healthcare System
Project Coordinator/Supervisor: Dr. Kailash Chandra Mishra, Senior Assistant Professor-2
Vellore Institute of Technology (VIT-AP)
G-30 (Inavolu, beside AP Secretariat), Amaravathi, 522241 Andhra Pradesh (India)
Institution's field of business: State-Accredited Private Higher Education Institution
www.vitap.ac.in

- **Responsibilities/Topics/Tasks:**
  - Developed an IoT healthcare prototype to reduce caregiver response time
  - Implemented gesture-based communication, bed automation, and fall detection with real-time alerts via IoT and mobile app
  - Developed fall detection and protection mechanism using pressure sensors and IoT alerts via ThingSpeak
  - Built a mobile application for caregivers to receive emergency alerts and monitor patient conditions remotely using MIT App Inventor
  - Achieved a low-cost, scalable, and user-friendly solution enhancing patient safety, independence, and caregiver responsiveness
- **Inference/Results/Outcomes:**
  - Built a working device using Arduino and sensors to help paralysis patients
  - Patients use hand gestures to ask for food, water, medicine, or help — the device speaks it out loud
  - Detects if a patient might fall and sends an alert to the caregiver's phone
  - Let's patients adjust their bed position on their own using a joystick
  - Sends live updates to a caregiver app so help can arrive quickly

Earned key skills: Teamwork, to use Arduino Uno and connecting the sensors

EDUCATIONS & TRAININGS

Oct. 2025–Present
On-campus

Master of Science in Cyber Security EQF Level 7
SRH University of Applied Sciences Heidelberg (SRH Berlin)
Sonnenallee 221 A-F, 12059 Berlin (Germany)
www.srh-university.de

Aug. 2021–Jul. 2025
4y · On-campus

Bachelor of Technology in Computer Science and Engineering EQF Level 6
Vellore Institute of Technology (VIT-AP)
No. G-30 (Inavolu, beside AP Secretariat), Amaravathi, 522241 Andhra Pradesh (India)
www.vitap.ac.in

Aug. 2024–Dec. 2024
5m · Online

Artificial Intelligence and Machine Learning
InTrain Tech
Rana complex (1st Floor), Munnekolala, Bengaluru, Karnataka 560037 (India)
www.intraintech.com

Aug. 2023–Oct. 2023
3m · Online

Java Full Stack Development
iamneo EduTech Pvt. Ltd.
No. 5/7A, Sams Paradise Vellalore Road, Coimbatore, Tamil Nadu 641111 (India)
www.iamneo.ai

PERSONAL SKILLS

Mother Tongue Marathi

Foreign Languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
	International English Language Testing System (IELTS)				
German	A1	A1	A1	A1	A1
	The European Language Certificates (telc)				
Hindi	C1	C1	C1	C1	C1

Legend of the levels: A1 and A2 – Basic user; B1 and B2 – Independent user; C1 and C2 – Proficient user (A1 < C2)
* The languages proficiency are being measured according to the standards of the Common European Framework of Reference (CEFR) & the self-assessment grids of the Common European Framework of Reference for Language skills.

Communication Skills

- An active listener with good verbal & non-verbal communication skills
- Excellent contact skills with people gained through my experiences as a GeekForGeeks Club member in social service works
- Able to talk with confidence and friendliness
- A notable negotiation skill

Organisational Skills

Management/Organisational skills:

- Team coordination, documentation, and communication skills developed through active involvement in university clubs

Extracurricular activities:

- I led documentation team which was creating documentation efforts for club activities, ensuring accurate records of events and initiatives, drafting official emails and correspondence on behalf of the club, authoring articles that covers club events and activities for wider circulation in Western Music Club, Vellore Institute of Technology, Andhra Pradesh, India.
- Previously, contributed to team-organized activities and events, supporting overall club initiatives in GeeksForGeeks Club, Vellore Institute of Technology, Andhra Pradesh, India.

Earned key skills: Project Management, Leadership, Reporting, Team Work etc.

Job-Related Skills

- Good project and organizational management skills
- Possess excellent verbal and nonverbal communication with good analytical and creative problem-solving skills
- A quick learner as well as able to work under pressure & in a team-driven environment
- Able to take on responsibilities and challenges with commitment and honesty

Digital Skills

SELF-ASSESSMENT				
Information Processing	Communication	Content Creation	Data Safety	Problem-Solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

* Here, it is mentioned above all the digital skills proficiency level are being measured according to the standards of the Digital Skills - Self-Assessment Grid (Beginner user < Intermediate user < Proficient user)

- Microsoft office suite (Intermediate level)
- Task management software (Trello)

Cyber Security Skills

- Application programming (Programming languages and technologies: Python, Java, SQL, HTML, CSS, JavaScripts)
- Digital Forensics
- Network Security (Firewalls, IDS/IPS, VPNs)
- Encryption and Cryptographic Protocols
- Endpoint Protection and Antivirus/EDR systems, Identity & Access Management (IAM)
- SIEM Tools (Like Splunk) for Log Monitoring and Threat Detection
- Wireshark (Intermediate level)
- Ethical hacking methodologies (reconnaissance, scanning, exploitation)
- Vulnerability Assessment Tools (Nmap, Metasploit, Burp Suite)
- Web Application Security Testing (OWASP Top 10)
- Network and Wireless Penetration Testing
- Implement Security Policies, Procedures, and Compliance
- Business Continuity and Disaster Recovery Planning
- Operating Systems (OS: Windows, Linux)
- Cyber Security & Blockchain Technology (Beginner)

Other Skills

- **Presentation, Photography, Content Writing Skills**
- **Research skills:** Being used search engines whilst understanding that not all content that appears is reliable. This extends to understanding how to distinguish valid sources of information & using online research to solve problems & develop consumer insight.

ADDITIONAL INFORMATION

References

Will be provided based on request