

# Yash Jain

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LinkedIn | GitHub | HuggingFace | Trailhead | Cyber Blog | Portfolio

## PROFILE SUMMARY

Aspiring technologist and MCA student with a builder's mindset — driven by the challenge of turning complex problems into elegant, working solutions. Passionate about the intersection of intelligence and engineering, with a natural curiosity that spans AI systems, cybersecurity, and distributed technologies. Thrive in environments that demand both analytical depth and creative thinking, whether architecting systems from scratch or exploring emerging paradigms in computing. Committed to continuous growth, academic rigor, and delivering work that reflects both technical discipline and real-world impact.

## TECHNICAL SKILLS

**Programming:** Python, Java, JavaScript, C#  
**Frontend:** ReactJS, HTML5, CSS3, Lightning Web Components (LWC)  
**Backend & APIs:** FastAPI, .NET, REST API Development  
**AI/ML:** PyTorch, TensorFlow, Scikit-learn, Pandas, NumPy, LLMs, Prompt Engineering  
**Salesforce:** Apex, LWC, SOQL, SFDX, Salesforce CLI  
**Cybersecurity:** Threat Intelligence, Network Security, Cisco Packet Tracer  
**DevOps & Tools:** Docker, Git, GitHub  
**Databases:** SQL, SOQL  
**Core CS:** OOP, DBMS, Operating Systems, Computer Networks

## INTERNSHIP

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|---|---------------------|
| <b>Intern</b><br><i>Virtual Labs, IIT Roorkee (Department of Electrical Engineering)</i> <ul style="list-style-type: none"><li>Designed and documented DBMS experiments for virtual lab environments.</li><li>Simulated and visualized database operations using web technologies.</li><li>Prepared detailed theory, objectives, procedures, and assessments.</li><li>Collaborated with researchers and faculty to ensure educational accuracy.</li></ul> | Jun 2025 – Jul 2025 |
| <b>Cyber Security Analyst</b><br><i>CYNDIA CYBERSPACE LLP</i> <ul style="list-style-type: none"><li>Researched emerging cybersecurity threats and modern defense frameworks.</li><li>Authored technical blogs and collaborated with industry experts.</li><li>Provided research-driven insights for proactive cyber defense strategies.</li></ul>   | May 2025 – Jul 2025 |
| <b>Intern</b><br><i>Virtual Labs, IIT Roorkee (Department of Electrical Engineering)</i> <ul style="list-style-type: none"><li>Implemented web-enabled experiments for Computer Network Lab.</li><li>Gained hands-on experience in understanding and deploying virtual lab environments.</li><li>Recognized as a quick learner and hardworking contributor during the internship tenure.</li></ul>  | Jul 2024 – Aug 2024 |
| <b>Trainee</b><br><i>ComTel India, Roorkee, Uttarakhand</i> <ul style="list-style-type: none"><li>Completed 45-day vocational training in Website Designing &amp; Development.</li><li>Gained hands-on experience with web technologies and software development practices.</li></ul>   | Jul 2022 – Aug 2022 |

## PROJECTS

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| <b>Student Grievance Management System</b> <ul style="list-style-type: none"><li>Built a pure Salesforce-native grievance portal using Custom Objects, Apex Trigger Handler Pattern, LWC Dashboard with real-time KPIs, and Screen Flow for guided submission.</li><li>Implemented role-based access via Permission Sets and achieved <b>95%+ Apex test coverage</b> with positive and negative test cases. Deployed via Salesforce CLI (API v63.0).</li></ul> | Salesforce, Apex, LWC, SOQL, Flows, SFDX |
| <b>SmartLog AI – Intelligent Log Classification System</b> <ul style="list-style-type: none"><li>Built an AI-powered log classification system achieving <b>92% accuracy</b> using BERT and supervised learning on real-world server log datasets.</li><li>Integrated LLM-based contextual analysis for automated anomaly detection and root cause identification.</li></ul>   | Python, BERT, Scikit-learn, NumPy, LLMs  |

## AI-Energy-Optimizer

C#, .NET, Real-Time Telemetry, ML

- Developed an intelligent C# .NET system that analyzes, predicts, and optimizes energy consumption across AI workloads using real-time telemetry and predictive modeling.
- Implemented adaptive scheduling algorithms to reduce compute overhead and energy waste in ML pipelines.

## CogniScan AI – Fake News Detector

Python, NLP, Ensemble ML, Explainable AI

- Built an AI-powered fake news and cognitive bias detection system using Ensemble NLP models and Explainable AI techniques for transparent classification results.
- Designed bias scoring and misinformation flagging pipeline with real-time analysis capabilities.

## CyberLens – Cybersecurity Learning Platform

ReactJS, Vite, JavaScript, HTML, CSS

- Developed an interactive browser-based cybersecurity platform simulating real-world threats, attack scenarios, and defense strategies with visual modules.
- Integrated threat analysis walkthroughs and prevention technique demonstrations for hands-on learning.

## Campus Network Simulation

Networking, VLANs, Cisco Packet Tracer

- Designed and simulated a scalable campus network architecture with routers, switches, and VLAN segmentation following real-world enterprise networking practices.
- Implemented secure network topology with inter-VLAN routing and access control policies.

## EDUCATION

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### Teerthanker Mahaveer University, Moradabad, Uttar Pradesh

2024 – 2026

*Master of Computer Applications*

- CGPA (Till 3<sup>rd</sup> Semester): 8.93 / 10.0
- 4<sup>th</sup> Semester result awaited.

### Quantum University, Roorkee, Uttarakhand

2021 – 2024

*Bachelor of Computer Applications*

- CGPA : 8.44 / 10.0

### Sarvagya Public School, Roorkee, Uttarakhand

2021

*Class XII (CBSE)*

- Percentage: 92%

### Sarvagya Public School, Roorkee, Uttarakhand

2019

*Class X (CBSE)*

- Percentage: 86.8%

## CERTIFICATIONS

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**Deep Learning with TensorFlow – IBM**

**Foundation Level Threat Intelligence Analyst – arcX**

**Python Essentials 2 – Cisco**

**Salesforce LWC (Lightning Web Components) with Live Project – Udemy**

**AWS Summit India 2025 – Amazon Web Services**

**Certificate Course on Robotic Process Automation (RPA) – Honeywell & ICT Academy**

## ACHIEVEMENTS & LEADERSHIP

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### President – CODEX Technical Club, TMU

2024 – 2025

*“Building the next generation of tech thinkers, one session at a time.”*

- Spearheaded coding workshops, AI/ML sessions, and hackathon prep for 100+ members.
- Mentored peers in project building and problem-solving, boosting club engagement significantly.

### Core Organizer – Internal Hackathon, TMU

Feb 2025

*“Turned caffeine and code into a campus-wide innovation event.”*

- Managed end-to-end execution: participant coordination, judging, and event logistics.
- Delivered a seamless experience for 50+ participants through structured planning and teamwork.

### Cricket Team Captain – Sarvagya Public School

2019 – 2021

*“Leading from the front – on the field and off it.”*

- Captained the college cricket team, managing training schedules and match strategies.
- Strengthened team cohesion and performance through consistent leadership and communication.

**Towards Robust Automated Log Classification: A Hybrid Approach** | *Springer / ICMCE-2026* May 2026

- Presented at the **2nd International Conference on Modern Trends in Computers and Electronics (ICMCE-2026)**, Teerthanker Mahaveer University, published via Springer.
- Proposed a hybrid log classification pipeline combining Regex, Transformer Embeddings, and LLM Reasoning for robust automated log analysis.

**Role of Programming Languages in Modern Cyber Attacks** | *Cyber Unfolded* May 2025

- Analyzed how programming languages are leveraged in cyber attacks and discussed defensive approaches to mitigate evolving threats in 2025.

**Arduino-based Hand Gesture and Control of Computer** | *TLASH-2024, GD Goenka University* May 2024

- Presented at the **International Conference on Transforming Lives Through Adoption of SDGs (TLASH-2024)**, organized by GD Goenka University, Gurugram in association with AIU.
- Demonstrated real-time hand gesture recognition for computer control using Arduino sensors and ML-based classification.