

Yash Jain

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LinkedIn | GitHub | HuggingFace | Trailhead | Portfolio

PROFILE SUMMARY

Aspiring MCA graduate and Full-Stack Developer with expertise in Artificial Intelligence, Machine Learning, and Generative AI. Skilled in Python, Java, SQL, and modern web technologies with hands-on experience in building AI/ML models, deploying MLOps pipelines, and developing end-to-end software solutions. Strong foundation in cybersecurity, networking, and database management, with proven ability to deliver scalable and secure projects in dynamic environments.

TECHNICAL SKILLS

Programming: Python, Java
Frontend / Web: ReactJS, HTML, CSS, JavaScript
AI/ML: PyTorch, Scikit-learn, Pandas, NumPy
Generative AI: LLMs, Prompt Engineering
Software & MLOps: FastAPI, Docker, Git, VS Code
Databases: SQL
Cybersecurity & Networking: Network Security, Cisco Packet Tracer
Core Concepts: OOP, DBMS, Supervised & Unsupervised Learning

INTERNSHIP

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| Intern
<i>Virtual Labs, IIT Roorkee</i> <ul style="list-style-type: none">Designed and documented DBMS experiments for virtual lab environments.Simulated and visualized database operations using web technologies.Prepared detailed theory, objectives, procedures, and assessments.Collaborated with researchers and faculty to ensure educational accuracy. | Jun 2025 – Jul 2025 |
| Cyber Security Analyst
<i>CYNDIA CYBERSPACE LLP</i> <ul style="list-style-type: none">Researched emerging cybersecurity threats and modern defense frameworks.Authored technical blogs and collaborated with industry experts.Provided research-driven insights for proactive cyber defense strategies. | May 2025 – Jul 2025 |
| Intern
<i>Virtual Labs, IIT Roorkee</i> <ul style="list-style-type: none">Designed and documented Client–Server Architecture experiment for virtual lab environments.Simulated and visualized request–response flow and data packet movement using web technologies.Prepared detailed theory, objectives, procedures, and assessments.Collaborated with researchers and faculty to ensure educational accuracy. | Jul 2024 – Aug 2024 |

PROJECTS

- | | |
|--|---|
| SmartLog AI – Log Classification System <ul style="list-style-type: none">Developed an AI-based log classification system to categorize and manage project logs with 92% accuracy.Implemented supervised learning models for automated log labeling and anomaly detection. | BERT, Scikit-learn, NumPy, Python, Machine Learning, LLMs |
| BugScope AI – Automated Bug Localization System <ul style="list-style-type: none">Built an AI-driven system to identify probable buggy files in Android applications using issue text and UI behavior analysis.Enabled real-time GitHub integration for automated issue analysis and high-accuracy bug localization. | Android, Machine Learning, GitHub API |
| CodeVerse – Full Stack Blogging Platform <ul style="list-style-type: none">Designed and developed a full-stack blogging platform with user authentication and interactive code snippets.Implemented secure login, content management, and responsive UI for enhanced user experience. | HTML, CSS, JavaScript, Backend Frameworks |
| Virtual DB – Database Simulation System <ul style="list-style-type: none">Created a simulated database environment for learning and testing SQL queries without installing a physical database.Enabled interactive query execution and visualization for educational use cases. | DBMS Concepts, Web Technologies |

Arduino-based Hand Gesture Recognition

Arduino, Sensors, Machine Learning

- Developed a real-time hand gesture recognition system using Arduino sensors and machine learning algorithms.
- Processed sensor data to accurately classify gestures for human-computer interaction applications.

Campus Network using Cisco Packet Tracer

Cisco Packet Tracer, Networking, VLANs

- Designed and simulated a complete campus network with routers, switches, and VLAN configurations.
- Implemented secure and efficient network topology following real-world networking standards.

EDUCATION

Teerthanker Mahaveer University, Moradabad, Uttar Pradesh

2024 – 2026

Master of Computer Applications

- CGPA (Till 2nd Semester): 9.37 / 10.0

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

Power Programmer Virtual Experience Program – Infosys

Python Essentials 2 – Cisco

CS205 – Building with Artificial Intelligence – Saylor Academy

CS406 – Information Security – Saylor Academy

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

Hack12 (Hackathon) – Quantum University

ACHIEVEMENTS

CODEX – Technical Club, TMU

2024 – 2025

President

- Led club activities, coordinated workshops, and guided members in coding and AI/ML projects.

Internal Hackathon, TMU

Feb 2025

Core Member – Organizer

- Organized and managed the internal hackathon, including event planning, judging, and participant coordination.

Cricket Team Head

2022 – 2023

Leadership & Team Management

- Managed team operations, coordinated training sessions, organized matches, and ensured overall team performance.

PUBLICATIONS

The Silent Hacker: Understanding Fileless Malware and How It Bypasses Modern Defenses – Cyber Unfolded, June 2025

The Role of Programming Languages in Modern Cyber Attacks: Weaponization and Defense in 2025 – Cyber Unfolded, May 2025