

Tarun Srivastava

Bachelor of Technology-Artificial Intelligence and Machine Learning (B.Tech-AIML)

Tech enthusiast specializing in AI/ML, IoT, and Cybersecurity, aiming to apply strong analytical and problem-solving skills to drive innovation, enhance efficiency, and achieve long-term organizational success.



tarun10092002@gmail.com

(+91) – 7985 175 413



[Tarun Srivastava](#)



[Portfolio](#)

EDUCATION

B. Tech - AIML | 76.98%

A.K.T.U, Lucknow

2022-2026

Higher Secondary | 58.2%

Kendriya Vidyalaya Rail Paristar, Gonda

C.B.S.E. Board

2022

Senior Secondary | 65.2%

Kendriya Vidyalaya Rail Paristar, Gonda

C.B.S.E. Board

2020

EXPERIENCE/INTERNSHIP

Cyber Security Intern - CDAC

06/2025-08/2025

CDAC is a premier R&D organization in India focused on high-performance computing, cybersecurity, AI, and advanced IT solutions

-**ZTNA Framework:** Developed Zero Trust Network Access with firewall policies and access control using VirtualBox.

Research Intern – IIT Delhi

12/2024-03/2024

IIT Delhi is a world-class technical institute focused on advanced research and engineering education.

-**Neural Networks & NLP:** Learned basics of neural networks, NLP, symbolic execution, and S.A.T/S.M.T solvers using Python.

SEMINARS / WORKSHOPS

-Completed the 50 hours workshop on "**Machine Learning foundation course**" from Electrocus Solution. (2024)

-Attended a 3-days workshop on "**How Artificial Intelligence is used in Civil Engineering**" at IIT Kanpur. (2024)

-Attended a two-day workshop on "**Ethical Hacking**" at IIT Kanpur. (2024)

-Attended a 10-days Winter School on "**Formal Verification & Program Synthesis**" at IIT Delhi.

TECH SKILLS

Programming: Python, C.

ML Libraries: NumPy, Pandas, Matplotlib, OpenCV.

Natural Language Processing: S.M.T Solver, S.A.T Solver.

Generative AI: Prompt Engineering, GPT based LLM.

ACADEMIC PROJECTS

SMART MIRROR

-Interactive mirror displaying calendar, weather, news, and using human recognition, built with Tkinter, Raspberry Pi, and ultrasonic sensor.

AUTOMATIC MOPPING ROBOT

-**IoT Robotic Floor Cleaner:** Autonomous multi-surface cleaning with smart mopping, sensor-based navigation, and mobile app control.

SECURING NETWORK WITH MACHINE LEARING

-**Securing Network With ML:** Developed a lightweight, adaptive security model for Network security with real-time threat detection, prevention, and performance visualization.

ACHIEVEMENTS / EXTRA CURRICULARS

Research Publication:

-Smart Mirror using Raspberry Pi – National Conference (Published Under the Proceedings)

-Optimizing DNS-based DDoS Attack Detection (Under Evaluation).

-Hands-Free Eye-Controlled Navigation System for Disabilities Using Real-Time MediaPipe and PyAutoGUI Tracking (Under Evaluation).

-A Reputation-Centric, Host-Based Threat Detection and Response System for Usable Threat Analysis (Under Evaluation).

-Framework of the Zero Trust Network Access (ZTNA) Implementation at the Organizational Level (Under Evaluation).

Jawaharlal Nehru National Science, Mathematics & Environment Exhibition (2019-20).

Secured 3rd rank in Jawaharlal Nehru National Science, Mathematics & Environment Exhibition.

K.V.S. NATIONAL INTEGRATION CAMP (2019-20).

Participated in Debate Competition at K.V.S. National Integration Camp

SOFT SKILLS

Adaptability and Flexibility
Networking

Leadership
Team Work