Divyanshu Dwivedi

Aspiring Research Intern | Cybersecurity & AI/ML Enthusiast

Phone: +91 8756431074 | Email: o2400111@cce.iitmandi.ac.in

Location: Uttar Pradesh, India

**Professional Summary**

Motivated and research-oriented person with strong interests in Cybersecurity, AI/ML, Cloud Security. Skilled in malware analysis and cloud architecture. Seeking a Summer Internship opportunity to contribute to cutting-edge research in Cybersecurity, AI, and IoT.

**Core Competencies**

* Cybersecurity & Threat Intelligence
* Artificial Intelligence & Deep Learning
* Python Programming & Automation

**Education**

Bachelor of Science   
CSJM University, Kanpur

Minor in Computer Science and Engineering  
Indian Institute of Technology, Mandi | Expected 2025 (9.3 sgpa last semester)

Relevant Coursework: AI & ML, Computer Networks, Cloud Computing, , Cybersecurity Principles

**Professional Certifications**

* Google Cybersecurity Professional Certificate
* Google Cloud Security Professional Certificate
* Cisco Certified Ethical Hacker

**Projects**

AI-Powered Malware Detector (Google Colab)

* Built a deep learning-based malware classifier in Google Colab using TensorFlow/Keras.
* Generated a synthetic dataset simulating malware and benign file characteristics (file size, entropy).
* Achieved 95%+ accuracy with a neural network model and evaluated performance using confusion matrix visualization.
* Demonstrated safe, simulated malware detection without the need for real malware files.
* Link : <https://github.com/divyanshpandit/AI-Malware-detection>-

Unbeatable AI (AI vs Human) — Web-based Game

* Designed and developed a web-based Tic Tac Toe game where the AI is programmed to be unbeatable using the Minimax algorithm with alpha-beta pruning.
* Implemented intuitive user interface for human vs AI gameplay with real-time game status updates and a “Play Again” feature.
* Applied game theory principles to ensure the AI always plays optimally, preventing any possibility of human victory.
* Link : <https://github.com/divyanshpandit/unbeatbale_tick_tac_toe>
* Web version : <https://ulooser.onrender.com/>

Github Link for all projects : <https://github.com/divyanshpandit/>

**Technical Skills**

* Languages: Python, C, Bash
* AI/ML Tools: TensorFlow, Scikit-learn
* Cloud Platforms: Google Cloud, Microsoft Azure
* Concepts: Deep Learning, Cloud Security Architecture, IoT Security, Risk Management

**Languages**

* English (Fluent)
* Hindi (Native)