NISHCHAL GUPTA

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WORK EXPERIENCE

Intern, Directorate of Research, Innovation and Development, JIIT   **May 2024 - Jul 2024**
- Designed and developed a game recommendation system aimed at alleviating stress and anxiety within an accelerated timeframe of less than two months.
- Implemented personalized game recommendations, optimizing stress-relief effectiveness and enhancing user engagement.
- Achieved a measurable reduction in player stress levels by integrating data-driven recommendations and stress management techniques.

EDUCATION

Bachelor of Technology in Computer Science Engineering   **Sep 2022 - Jul 2026**
Jaypee Institute of Information Technology, Noida

Science (10 + 2)
Prelude Public School, Agra   **Aug 2015 - Aug 2019**

PROJECT

Medicine and Disease Prediction Model (MediSync)   **Github**
- Developed an AI-powered web application for medicine purchases, disease prediction, and medication recommendations.
- Integrated machine learning models achieving 94% accuracy for precise disease identification and treatment suggestions.
- Implemented dynamic model retraining using Python notebooks (Disease and model2-lstm) for continuous improvement.

Network Traffic Analyzer   **Github**
- Skills Used: Python, API, Scapy
- Developed a network security tool for packet sniffing and malware detection
- Integrates VirusTotal API to scan files for malware directly from the terminal
- Captures and analyzes network packets from the local network

Stickman Game   **Itch.io**
- Skills Used: Unity 2D, C#
- Developed a stress management game using Unity during an internship at DRID, JIIT Completed in 2 months using fundamental 2D platformer mechanics
- Implemented ragdoll Stickman movements to enhance the fun and engaging experience

Tree Visualizer   **Github**
- Skills Used: DSA, C++, SDL (graphics library)
- Provides a graphical representation of tree data structures, aiding in better understanding and debugging
- Useful for students and developers working with binary trees, AVL trees, or other hierarchical data structures

SKILLS

- Software Developer
- Game Developer
- Front-end Developer
- Teamwork
- Problem Solver
- Disciplined

CERTIFICATES

- Directorate of Research, Innovation and Development - JIIT (2024)
- Foundations of Cybersecurity - Google (2024)
- Connect and Protect: Network and Networks Security - Google (2024)