

NISHCHAL GUPTA

Software Developer | Game Developer | Cyberenthusiast

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WORK EXPERIENCE

Intern, Directorate of Research, Innovation and Development, IIIT

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.

Web 3.0 Decentralized Application (WebChain)

[Github](#)

- Developed a Web3-enabled decentralized application (DApp) integrating blockchain-based transactions.
- Designed and deployed smart contracts on Ethereum/Sepolia using Solidity & Hardhat.
- Built a responsive and interactive frontend using React (Vite) and Tailwind CSS.
- Integrated blockchain transactions using Ethers.js/Web3.js for seamless user interaction.

Stickman Game

[Itch.io](#)

- Skills Used: Unity 2D, C#
- Developed a stress management game using Unity during an internship at DRID, IIIT 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 | • Teamwork |
| • Game Developer | • Problem Solver |
| • Front-end Developer | • Disciplined |

CERTIFICATES

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