

# NISHCHAL GUPTA

Software Developer | Game Developer | Cyberenthusiast

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[nishchal.netlify.app](https://nishchal.netlify.app)

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## WORK EXPERIENCE

### Software Development Intern, AICADE

February 2025 - Present

- Core member of the development team responsible for building and maintaining browser-based games using JavaScript and the Phaser framework.
- Led a team of junior game developers, assigning tasks, reviewing code, and ensuring timely delivery of projects aligned with company standards.
- Managed and maintained a centralized cloud database of all games using AWS services, ensuring smooth backend operations and scalability.
- Developed several Advergames (advertisement-driven games) for brands like Bagrry's, driving user engagement and brand visibility.
- Contributed to core engine modules for asset loading, input handling, scene management, and audio to optimize the developer workflow.
- Achieved 2000+ plays on multiple games, enhancing platform traction and user retention.

### 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.

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## EDUCATION

### Bachelor of Technology in Computer Science Engineering - 8.1

Sep 2022 - Jul 2026

Jaypee Institute of Information Technology, Noida

### Science (10 + 2) - 96%

Prelude Public School, Agra

Aug 2015 - Aug 2019

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## 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.

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## SKILLS

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

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## CERTIFICATES

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