NISHCHAL GUPTA

Software Developer | Game Developer
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WORK EXPERIENCE

Software Development Intern, AICADE   **February 2025 - Present**
Javascript, Phaser, Team management

- Started as a **Game Developer**, creating browser-based games using JavaScript and the Phaser framework as part of the core development team.
- Later advanced to **Team Lead / Product Manager**, managing a team of junior developers assigning tasks, reviewing game builds, and ensuring consistent code quality and timely releases.
- Oversaw **project planning, design direction, and gameplay optimization**, maintaining alignment with company goals and user engagement metrics.
- Continued active development within the core team, contributing to **engine modules** (asset loading, input handling, and scene management) and performance improvements.
- Directed development of multiple **Advergames** for brands like Bagrry's and Zepto, collectively achieving 6000+ plays and strengthening platform reach.

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.

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   **April 2020- March 2022**

PROJECT

Web 3.0 Decentralized Application (WebChain)   **Github**
Solidity, Hardhat, Ethers.js, React (Vite), Tailwind CSS

- 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.

Comparative Study on Machine Learning Methods for Music Genre Classification   **Github**
Python, TensorFlow, Librosa, Flask, Scikit-learn, HTML/CSS/JS

- Developed a system to automatically classify songs into genres using machine learning and deep learning models (SVM, CNN, RNN, Transformer).
- Implemented audio feature extraction using MFCCs, chroma, and spectral contrast with Librosa.
- Designed a Flask-based web interface for real-time audio uploads and genre prediction with confidence scoring.
- Achieved 84% accuracy using CNN with data augmentation, outperforming traditional ML models.

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)