

Nishchal Gupta

Software Developer | Game Developer Unity | Problem-Solving

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WORK EXPERIENCE

Directorate of Research, Innovation, and Development (DRID)

Intern

May, 2024 - July, 2024

- Developed a game recommendation system for stress management within an accelerated timeframe of less than 2 months, resulting in a stress-reducing game that helps alleviate anxiety.
- Enhanced the game's stress management capabilities by incorporating personalized recommendations, leading to a significant reduction in player stress and anxiety levels.

EDUCATION

Jaypee Institute of Information Technology, Noida

Bachelor of Technology (CSE) - 8.1

September, 2022 - July, 2026

Pursuing Computer Science Engineering, with specialization in Cybersecurity

Prelude Public School, Agra

Science (10 + 2) - 96%

April, 2019 - March, 2022

PROJECT

MediSync [↗](#)

- Developed an AI-powered web application for buying medicines and predicting diseases and medications
- Included trained machine learning models for disease prediction and medication suggestions
- Provided an option to retrain models using Python notebook files (*Disease* and *model2-Istm*)
- The disease prediction model achieves an accuracy of approximately **94%**, ensuring reliable recommendations

Network Traffic Analyzer [↗](#)

- **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 Rope Game [↗](#)

May, 2024 - July, 2024

- **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

SKILLS

Technical Skills: C, C++, Python, HTML, CSS, JavaScript

Tools and Frameworks: MySQL, Unity2D

Soft Skills: Team Management, Verbal Communication, Written Communication, Problem Solving

CERTIFICATE

Directorate of Research, Innovation and Development [↗](#)

May, 2024

Issued by Jaypee Institute of Information Technology: Game Recommendation for Stress Management