NITISH KUMAR PANDIT

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EDUCATION

Chandigarh Group Of Colleges   **Landran, Punjab**
Bachelor's of Technology in Artificial Intelligence and Data Science   *Expected Graduation, August 2026*

- **Related Coursework:** Data Structures & Algorithms, Artificial Intelligence, Object-Oriented Programming, Database Management Systems, Computer Networks

WORK EXPERIENCE

MilQuiz   **Remote**
Freelance Software Engineer   *Jan 2025 – Present*

- Designed and implemented a **2D side-scroller** game in **Python** using Pygame, featuring **physics-based player movement**, **collision detection**, **scoring**, and **enemy AI**.
- Engineered **modular**, **object-oriented code** architecture enabling **scalable** feature additions such as **new levels** and **themes**.
- Refactored **rendering loop** and **optimized asset management**, increasing **average frame rate** from **25 FPS** to **49 FPS** (**96**% performance improvement).

INFOWIZ   **Chandigarh, India**
Software Development Intern   *Jun 2024 – Jul 2024*

- Built a **Blog Application** using **React**, **Redux**, and **Appwrite** for backend services, enabling **secure** user **authentication** and **data management**.
- Integrated **TinyMCE** rich-text editor to allow users to **create** and **format** blog posts with **advanced** content **features**.
- Designed a **responsive** and **mobile-friendly** UI with **React + Tailwind CSS**, ensuring **compatibility between devices**.

PERSONAL PROJECTS

CashTrack - A.I. Powered Expense Tracker
*Built a **dynamic web application** that enables user to **track their finances**. AI will **summarize** and give **financial advice** based on the transaction history.*
***Tools and Technology used** - NEXT.js, Tailwind CSS, Gemini AI, NEON DB, Shadcn UI, Clerk*   *Live*

CompileX - An Online IDE
*Developed a dynamic **online IDE** that allows users to **write**, **compile**, and **run code** in various programming languages, including **C++, Python, JavaScript, Bash and Java** directly from their browser.*
***Tools and Technology used** - React.js, Node.js, Express.js, MongoDB, Tailwind CSS*   *Live*

SKILLS

Programming Languages	C++, JavaScript (ES6+), Python, SQL
Frameworks & Libraries	Next.js, React.js, Node.js, Express.js, Redux, Socket.io
Databases	MongoDB, MySQL, PostgreSQL
Tools & Platforms	Git, Docker, Appwrite, AWS (EC2, S3), Render, Vercel
CS Fundamentals	Data Structures, Algorithms, OOP, System Design (LLD & HLD)
Others	REST APIs, WebSockets, Authentication (JWT/OAuth), CI/CD basics
Soft Skills	Team Leading, Time Management, Problem-Solving, Learning Mindset