

NITISH KUMAR PANDIT

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EDUCATION

Chandigarh Group Of Colleges

Bachelor's of Technology in Artificial Intelligence and Data Science

Landran, Punjab

Expected Graduation, August 2026

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

PROFESSIONAL EXPERIENCE

MilQuiz

Freelance Software Engineer

Remote

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

Software Development Intern

Chandigarh, India

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