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*

- **Developed** a **2D side-scroller** game in **Python** (**Pygame**) with **physics-based movement, collision detection, scoring, enemy AI,** and a **modular OOP** design enabling **scalable** features.
- **Refactored rendering loop** and **optimized asset management**, increasing **average frame rate** from **25 FPS** to **49 FPS** (**96**% performance improvement).

INFOWIZ   **Chandigarh, India**
Software Engineer 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** for **advanced** blog **content creation**.
- **Developed** a fully **responsive UI** using **React** and **Tailwind CSS**, achieving a **Google Lighthouse performance score of 95+** and ensuring **cross-devices compatibility**.

PERSONAL PROJECTS

CashTrack - A.I. Powered Expense Tracker
Built a *dynamic web application* that allows the 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 multi-language* online IDE supporting *5+ languages*, *architected* to handle *code execution* with an *average response latency of under 2 seconds*.
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
Tools & Databases	MongoDB, MySQL, PostgreSQL, Git, Docker, AWS (EC2, S3), Vercel
CS Fundamentals	Data Structures, Algorithms, OOP, System Design (LLD & HLD)
Others	REST APIs, WebSockets, Authentication (JWT / OAuth), CI / CD basics
Soft Skills	Problem Solving, Time Management, Collaboration, Adaptability, Teamwork

ACHIEVEMENTS

- **Solved 400+** DSA problems on **LeetCode** and **other coding platforms** (Amazon, Google, Microsoft tags)
- **Runner-up** in **Code-Jam 2k23** coding competition among **500+ participants**
- **Ranked** in **Top 5%** in **GeeksforGeeks** Hiring Challenge among **5,000+ participants**