Nitin Thapa

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📍 105/2, Jakhan, Rajpur Road, Dehradun, Uttarakhand- 248001   in Nitin Thapa

○ Nitin

🪪 PROFILE

Determined BCA student with a focus on Game Development, Artificial Intelligence, and Full-Stack Development. Interested in developing AI-driven applications, 3D/Unreal Engine ventures, and cross-platform software solutions. Intending to take up an internship to implement technical skills, work on actual-world projects, and develop industry experience.

🎓 EDUCATION

Amity University, *BCA*
10/2025
Dehradun, India

GRD Institute of Management & Technology,
Diploma in Computer Science and Engineering
04/2022 – 07/2025
Dehradun, India
- Gained strong fundamentals in **computer science, programming, and software development**.
- Developed hands-on skills in **C, C++, Java, and Python**, along with **Database Management Systems (DBMS)**.
- Worked on academic and personal projects including **AI applications, software tools, and basic game prototypes**.
- Built a solid foundation for pursuing advanced studies in **AI, Game Development, and Full-Stack Development**.

Dot Net Computer Education, *Advanced Diploma in Computer Application*
04/2022 – 07/2023
Dehradun, India
- **Computer Fundamentals & Operating Systems:** Understanding of computer architecture, OS concepts, and file management.
- **MS Office Suite (Word, Excel, PowerPoint, Access):** Proficiency in document processing, data analysis, presentation design, and database handling.
- **HTML & Internet:** Basics of web page creation, internet tools, and online communication.
- **Tally ERP:** Practical experience in computerized accounting and financial data management.
- **Graphic Design Tools (CorelDRAW, Photoshop, InDesign):** Skills in digital illustration, photo editing, and layout design for print and media.

🧠 SKILLS

Technical Skills: ● ● ● ○ ○
- **Languages:** Python, C++, C#, Java, SQL
- **Game Dev & Graphics:** Game Designing, Unreal Engine 5, Game Testing, 3D object recognition, Blender basics
- **Frameworks/Tools:** PySide6/Qt, OpenCV, PyTorch, Docker, Git
- **AI/ML:** NLP, LLMs(Mistral-7B), Stable Diffusion, Tortoise TTS, OCR, Object Detection
- **Web & Full-Stack:** HTML, CSS, JavaScript
- **Database:** SQLite, MySQL

Soft Skills: ● ● ● ● ○
- Time management
- Problem solving
- Teamwork

📇 CERTIFICATES

- Introduction to Generative AI ↗
- Introduction to Responsible AI ↗
- Prompt Design in Vertex AI ↗
- Certificate Of Training in Graphic Designing

- Introduction to Large Language Models ↗
- Responsible AI: Applying AI Principles with Google Cloud ↗
- Introduction to Neural Networks and Deep Learning ↗

📁 PROJECTS

Bhaskara-AI (Offline Multimodal AI Assistant) ↗   01/2025 – 05/2025
- Designed and developed an **offline AI assistant** with **multimodal capabilities** (text, voice, and image).
- Integrated **Mistral-7B LLM (via llama-cpp-python)** for natural language understanding and **Stable Diffusion** for image generation.
- Built a **PySide6 + HTML/CSS GUI** supporting **text-to-text, text-to-voice, voice-to-voice, OCR, and object detection**.
- Implemented additional features like **chat history management, news & weather APIs, and real-time voice interaction**.
- Focused on **system optimization for offline use**, ensuring lightweight performance without relying on external APIs.

Multimodel Language Translator ↗   08/2024 – 12/2024
- Built a **desktop-based translation tool** capable of handling **text, speech, and image inputs**.
- Integrated **OCR (Tesseract)** for image-to-text, **Speech Recognition** for voice input, and **Pyttsx3 TTS** for translated voice output.
- Designed an **intuitive GUI using PySide6** for smooth user interaction.
- Ensured **real-time translation workflow** with support for multiple languages.

💼 PROFESSIONAL EXPERIENCE

CodSoft, *C++ Programmer* ↗   08/2024 – 09/2024
Dehradun
Completed a 4-week virtual internship in **C++ Programming** at **CodSoft**, gaining hands-on experience in software development and strengthening core programming, problem-solving, and project implementation skills.

Slog solutions Pvt. Ltd, *Graphic Designer*   06/2024 – 07/2024
Dehradun
Completed a 4-week **Graphic Designing training** at **SLOG Solutions Pvt. Ltd.**, gaining practical experience in **Adobe Photoshop** and **Adobe Premiere Pro** for professional graphic design and video editing.