NITESH PANTHI

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FRONTEND DEVELOPER · AI AUTOMATION & SEO TRAINEE

Motivated learner with a computer engineering background, exploring digital marketing, AI automation, and social media algorithms to optimize SEO and improve campaigns. Eager to apply technical skills through hands-on projects and courses.

SKILLS

- **Web Development** – HTML, CSS, JavaScript (basic front-end skills)
- **Web Deployment** – Cloudflare (DNS, CDN, SSL), Vercel/Netlify for frontend hosting, GitHub for version control & basic CI/CD workflows
- **UI/UX Design** – Wireframing, Basic prototyping with figma
- **Graphic Design** – Adobe Illustrator, Canva (visual content for digital marketing)
- **Python Programming** – Basics of automation, scripting, and data handling
- **SEO & Content Strategy** – On-page SEO, keyword research, content planning
- **AI Automation Tools** – Exploring GPT-based tools, social media automation, workflows
- **Algorithmic Content Curation** – Collaborative Filtering, Content-Based Filtering, Time Decay Models

PROJECTS

Live Music Restaurant Recommendation System

- **Tech Stack**: Python, Collaborative Filtering, Flask, Pandas
- Built a recommendation system that suggests restaurants based on real-time live music availability and the user's preferred music genre. Implemented collaborative filtering to match users with similar taste patterns and enhance discovery of music-themed dining experiences.

YOLO-Based Automated Sports Highlight Generator

- **Tech Stack**: Python, YOLO, PyTorch, TensorFlow, OpenCV
- Developed an AI-based tool that automatically generates football match highlights by detecting key moments using YOLO object detection. The system identifies pivotal actions (like goals, fouls, celebrations), clips them in real time, and merges the segments into a complete highlight reel using video processing libraries.

Automated LinkedIn News Posting Bot

- **Tech Stack**: Python, Web Scraping (BeautifulSoup / Scrapy), LinkedIn API / Automation Tools, Cron/Scheduling, NLPTech Stack: Python, Web Scraping (BeautifulSoup / Scrapy), LinkedIn API / Automation Tools, Cron/Scheduling, NLP
- Developed a bot that scrapes the web for the latest tech news articles using Python and BeautifulSoup/Scrapy. The bot identifies relevant articles and automatically posts them to a LinkedIn profile using the LinkedIn API. Integrated Natural Language Processing (NLP) to analyze article relevance and ensure quality content. The bot is scheduled to run periodically using Cron jobs, automating the entire process from article retrieval to posting on LinkedIn.

Gesture-Controlled Audio Player Using Computer Vision

- **Tech Stack**: Python, leveraging MediaPipe and OpenCV for real-time hand tracking, and Pygame for gesture-based audio playback
- Built a system using Python that detects hand gestures in real-time through MediaPipe and OpenCV, mapping each gesture to specific audio outputs played via Pygame—creating an interactive, gesture-controlled sound experienc

EXPERIENCE

Graphics Designer & SMM Specialist | Nawtan Learning   2021 - 2022

- Developed graphic designs and managed social media marketing strategies to enhance brand presence.

Secretary | Himalaya Electronics and Computer Club   2021 - 2025

- Managed club operations, communications, and event coordination.
- Organized **National Level Hackathon |** "**Codeyatra**" (Marketing Lead)
  Led marketing initiatives for the hackathon, increasing event visibility and participant engagement
- Organized **Software Competition** for students to enhance coding skills.
- Conducted workshops on **Git**, **GitHub**, and **Frontend Basics** for college students.
- Organized **UI/UX Competition** and **Design Thinking** sessions (Ideathon-like), encouraging creativity and innovation.

Web Freelancing   2024 - present

- I work as a freelance digital solutions provider, helping local businesses establish and grow their presence on digital platforms. I've handled projects for both national and international clients, offering customized services in 2D/3D design, web development, and SEO.
- One example is my work with Mega Consultancy (megaics.org.np), where I delivered a complete digital overhaul—designing and developing their website and implementing targeted SEO strategies to boost their visibility and reach.

EDUCATION

12 | Everest College

- Completed 12th grade (Science stream) with subjects including Physics, Chemistry, Mathematics, and Biology, graduating in 2020.
- Graduated with an average of 3.57 CGPA.

BE Computer Engineering | Himalaya college of Engineering

- Minor project in recommendation algorithm (collaborative filtering).
- Major project and thesis in computer vision algorithm (YOLO) and python automation.