

Manish Shrestha

+977 9846922713 | Rambazar, Pokhara 10, Nepal

shresthamanish8080@gmail.com | linkedin.com/in/manishshrestha01 | shresthamanish.info.np

SUMMARY

Computer Engineering student with strong expertise in full-stack web development, generative AI, and visual design. Proven track record in building AI-powered applications using FastAPI and React, with hands-on experience in graphic design for digital media. Skilled in creating responsive web applications and implementing RAG-based solutions. Passionate about leveraging technology and creativity to develop user-centered digital solutions.

EDUCATION

Pokhara University

Pokhara, Nepal

Bachelor of Engineering in Computer Engineering, Pokhara Engineering College

2023 – 2026

- Currently in Semester VII (7th semester)
- Relevant Coursework: Artificial Intelligence, Machine Learning, Image Processing and Pattern Recognition, Compiler Design, Computer Networks, Network and Cyber Security, Cloud Computing and Virtualization, Data Science and Analytics, Software Engineering, Database Management System, Operating Systems, Advanced Programming with Java

Global Collegiate School

Nepal

High School Diploma, Science

2020 – 2022

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, HTML5, CSS3, SQL

Frameworks & Libraries: React, FastAPI, Tailwind CSS, LangChain

AI/ML Technologies: Retrieval-Augmented Generation (RAG), Large Language Models (LLMs), Generative AI

Design Tools: Adobe Photoshop, Adobe Illustrator, Adobe InDesign, Canva, DaVinci Resolve, Premiere Pro, After Effects

Tools & Platforms: Git, GitHub, Supabase, Google Programmable Search Engine, REST APIs

Databases: Supabase, SQL, Vector Databases

EXPERIENCE

Graphic Designer (Internship)

Nov 2025 – Present

XDezo Technologies

Pokhara, Nepal

- Design and develop visual content for digital marketing campaigns, web platforms, and social media for enterprise clients
- Collaborate with cross-functional teams including developers and marketing professionals to deliver brand-consistent design solutions
- Create compelling graphics and visual assets using Adobe Creative Suite that enhance user engagement and meet project deadlines
- Participate in design reviews and iterate based on client feedback to ensure high-quality deliverables

Graphic Designer

Nov 2024 – Present

UpWork (Freelance)

Remote

- Design diverse digital marketing materials including YouTube thumbnails, e-books, menu cards, flyers, social media posts, ID cards, and business cards for multiple clients
- Deliver high-quality, brand-consistent designs using Adobe Creative Suite (Photoshop, Illustrator, InDesign) and Canva
- Collaborate with clients to understand requirements and provide creative solutions that enhance visual appeal and engagement

Graphic Designer

Feb 2025 – Nov 2025

Your Fix Expert (YouTube Channel)

Remote

- Created compelling YouTube thumbnails that increased click-through rates and channel engagement
- Developed consistent visual branding across all channel graphics to strengthen brand identity

Video Editing Student

Nov 2025 – Dec 2025

Skill Shikshya

Kathmandu, Nepal

- Completed intensive professional training in video editing using DaVinci Resolve, Adobe Premiere Pro, and After Effects
- Developed proficiency in advanced editing techniques including color grading, motion graphics, visual effects, and post-production workflows
- Gained hands-on experience in storytelling through visual media and audio synchronization

PROJECTS

NoteMate AI | *Python, FastAPI, React, Tailwind CSS, LLM, RAG*

[GitHub](#)

- Developed an intelligent web application that uses advanced LLM-powered similarity search to find relevant study materials based on uploaded PDF syllabi
- Implemented Retrieval-Augmented Generation (RAG) to provide contextually accurate educational content recommendations
- Integrated Google Programmable Search Engine API for precise result fetching and content discovery
- Built responsive frontend using React and Tailwind CSS with FastAPI backend for efficient API handling

KeyDash | *React, Tailwind CSS, Supabase*

keydash.shresthamanish.info.np

- Created a comprehensive web-based platform for testing and improving typing speed, accuracy, and reaction time
- Implemented real-time performance tracking with data visualization to help users monitor their progress over time
- Designed clean, responsive UI ensuring seamless experience across desktop and mobile devices
- Utilized Supabase for backend database management and user data persistence

Portfolio Website | *HTML5, CSS3, JavaScript*

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- Designed and developed a professional portfolio website showcasing projects, certifications, and skills
- Implemented responsive design principles ensuring optimal viewing experience across all device sizes
- Created dedicated certification showcase page at certificates.shresthamanish.info.np

CERTIFICATIONS

View all certifications at: certificates.shresthamanish.info.np

ADDITIONAL INFORMATION

Interests: Generative AI, Full-Stack Development, UI/UX Design, Video Editing, Digital Content Creation

Languages: English (Fluent), Nepali (Native)