

Swarangi Singh Yadav

Software Engineer

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Targeting **Software Engineer** role in an organization of high repute with a scope of improving knowledge and further career growth.

TECHNICAL SKILLS

- **Languages:** Python , HTML, CSS, MySQL
 - **IT Constructs:** OOPS, Computer Networks (TCP/IP, OSI-Model)
 - **Cyber Security:** Network Security, Linux, SQL, Understanding Attacker's Mindset
 - **Artificial Intelligence:** Gen AI, Prompting
 - **Graphic Designing:** Canva
 - **Soft Skills:** Leadership, Team Management, Project Management, Communication Skills, Innovation
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PROJECTS

- **Secure Password Enforceable Generator (SPEG), Python | Cyber Security**
Developed using Python (SPEG), this tool facilitates the creation of **cryptographically strong passwords** with **user-defined character composition and length**, decreasing brute force attacks **by around 50%**.
 - **AI Chat-bot, Python | API**
This project seeks to **create a text-driven** conversational platform with a **response time of under 3-7 seconds**. Utilizing **Gemini's API**, the **Chat-bot** will offer a **user-centric experience** by providing **real-time information** and **resolving inquiries** through **natural language interactions**.
 - **Personalized Caesar Cipher Tool (PCCT), Python | Cyber Security**
This project aims to **implement message encryption and decryption** through a **user-defined shift values (ranging from 1 to 25)**, **securing communication by >95%** with a **classic cryptographic technique**.
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POSITION OF RESPONSIBILITY | WORK HISTORY

- **Local Expert Hai Kya? (LEHK), Gwalior, Graphic Design Lead (May 2024 – Present)**
Effectively leading design projects from inception to fruition, I ensure all aspects adhere and **achieve >90% alignment** to project scope, objectives, and timelines.
 - **Google Developer Student Clubs, MITS Gwalior, GDSC Core Team Member (October 2023 - Present)**
Expertise in **ethical research practices**, fostered through strong **team collaboration**.
 - **Institute of Engineers India, MITS Gwalior, IEI – Student Chapter, Core Team Member (August 2023 - Present)**
Team coordination, public speaking to ignite **creative thinking**, and effectively **leading teams of > 50 members**.
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EDUCATION

Bachelor of Technology in Electronics Engineering (2022 – 2026)

Madhav Institute of Technology and Science, Gwalior

LANGUAGES

English | Hindi