

Yamal Sharma

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About Me

Computer Science student with hands-on experience in AI, ML, and Python-based projects, eager to apply problem-solving skills to build innovative AI solutions.

EDUCATION

Bahra University Shimla Hills 2022 – Present
B.Tech. - Computer Science CGPA – **8.19** Solan, India

Govt. Senior Secondary, Guggaghat 2021 – 2022
Senior Secondary (XII) - Science - Percentage – 76% Solan, India

Technical Skills

- **Programming Languages:** Python, C++, HTML | CSS | JavaScript, SQL
- **AI/ML Libraries:** Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, NLTK, Transformers, Torch, Tkinter
- **Frameworks & Tools:** Flask, Tailwind CSS, Git, GitHub
- **Cloud & APIs:** Firebase, Hugging Face Hub
- **Dev Environments:** VS Code, Jupyter Notebook, CLI (Terminal)

EXPERIENCE

Artificial Intelligence (AI) • Internship APR 2025 – MAY 2025
Edunet Foundation, Virtual

- Completed a 4-week internship focused on core AI concepts.
- Gained foundational knowledge of AI algorithms, ML models, and ethical AI practices.
- Completed hands-on assignments and quizzes.

Cyber Security • Internship Jan 2025 – Feb 2025
Edunet Foundation, Virtual

- Hands-on experience in cybersecurity fundamentals including ethical hacking, threat analysis, and risk management.
- Participated in simulated cyber-attacks using tools like Wireshark, Nmap, and Linux commands.

PROJECTS

Secure Data Hiding in Images using Steganography Jan,2025–Feb,2025
(3rd Year Winter Internship Project)

- Developed a Python-based Steganography application for secure image-based message hiding.
- Passcode-based decryption ensures the security of hidden messages.

Artificial Intelligence (AI) - Student Performance Prediction using Machine Learning Apr,2025 – May,2025
(3rd Year Summer Internship Project)

- Completed a 4-week internship focused on core AI/ML concepts, Gained foundational knowledge of AI algorithms, ML models.
- Developed A machine learning-based model to predict student pass or fail outcomes based on academic and demographic data.

Local CLI Chatbot — SmolLM-360M-Instruct Aug, 2025 – Aug, 2025
(Self-Directed Project)

- Built a lightweight command-line chatbot using Hugging Face's *SmolLM-360M-Instruct* model.
- Implemented a **sliding window memory buffer** (last 3 exchanges) for coherent multi-turn conversations.
- Designed a **modular Python codebase** with separate components for model loading, memory, and CLI interface.
- Ensured efficient local execution with CPU support, using **Transformers** and **PyTorch** libraries.

ACHIEVEMENT

- Instructed a webinar for school students at Bahra University
- Member in cybersecurity cell (Club) at Bahra University