

Sehajpreet Kaur

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EDUCATION

Baba Banda Singh Engineering College | Fatehgarh Sahib, IND

Sept.2021-June 2025

Bachelor of Technology in Computer Science and Engineering CGPA: 9.14

Govt. Senior Secondary School | Kotla, IND

April.2020-March 2021

Class XII(PSEB) PERCENTAGE: 97.8

Catain Santokh Singh Memorial Public School | Kotla, IND

Sept.2021-June 2025

Class X(PSEB) PERCENTAGE: 92.7

SKILLS & TECHNICAL TOOLS

Languages: Python, C, C++, HTML, CSS, SQL

Technologies: PyTorch, Tensorflow, OpenCV, Scikit-learn, Keras, Docker, Pandas, Numpy, Matplotlib, Git, Jupyter, Django, Flask

Development Tools & Environments: GitHub, Jupyter Notebook, Google Colab, VS Code

Web Technologies & Deployment Tools: Flask, Streamlit, Gradio, Glitch, Hugging Face Spaces

EXPERIENCE

NIELIT (National Institute of Electronics and Information Technology)

Ropar, Punjab | Jan 2025-July2025

AI/ML Trainee

Solitaire Infosys Pvt. LTD)

Mohali, Punjab | July 2023- Aug 2023

Web Developer Trainee

RESEARCH PAPERS

- **Animal Species Prediction using Deep Learning-** Presented in International Conference on Innovations and Applications of AI (ICIAI2025) organized by Guru Kashi University, Bathinda, Punjab.
- **Google's Large Language Model: Gemini-** Presented in the Conference on Artificial Intelligence and Communication Technologies organized by IET, Chandigarh.

PROJECTS

TextileVision 🍷 | *Tensorflow, Machine Learning, Python, Hugging Face, Glitch, Gradio, Decision Tree Algorithm, pipeling*

- Developed a Web Application leveraging machine learning and deep learning to predict yarn mixing, knitting speed, loom RPM and customer sentiment analysis.
- Implemented NLP techniques to preprocess and analyse customer reviews, assigning sentiment scores to identify trends

AgroVision 🍷 | *Python, Pandas, Flask, Gemini, gradio, hugging Face, ML, Deep Learning*

- Developed a bilingual (English & Punjabi) agriculture platform
- Developed predictive models for Crop recommendation, reverse prediction (crop to parameter), Plant disease prediction, Chatbot.

Attendance System 🍷 | *Python, OpenCV, Hugging face transformers, pipelining, glitch, flask*

- A system to record attendance of students in dashboard for record according to given database.

ACHIEVEMENTS AND CERTIFICATIONS

- **Best paper Award for Animal Species Prediction using Deep Learning.**
- Python Essentials-I by Cisco Networking Acedamy