

Navjot Kaur Cheema

FGS,Punjab

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🌐 [navjot-kaur-cheema](https://navjot-kaur-cheema.github.io)

🔗 [NavjotKaurCheema](https://www.linkedin.com/in/NavjotKaurCheema)

TECHNICAL SKILLS

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

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

Data Science & ML Libraries: NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, TensorFlow, Keras, PyTorch, OpenCV

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

EDUCATION

Baba Banda Singh Bahadur Engineering College

Bachelor of Technology in Computer Science and Engineering - CGPA - 8.92

August 2021–June 2025

Punjab, India

Kendriya Vidyalaya

Class XII(CBSE)- Percentage - 96%

March 2020 – May 2021

FGS, Punjab

Baalak Yesu Convent School

Class X(ICSE)- Percentage - 92.8%

March 2018 – March 2019

FGS, Punjab

PROJECTS

AgroVision [↗](#)

Python,TensorFlow, Scikit-learn, MobileNetV3, Gemini API, Gradio,Hugging Face

- Developed a bilingual (English & Punjabi) agriculture platform with ML-based crop and parameter recommendation, plant disease detection (PyTorch CNN), and a chatbot (Gemini API) for farmer support.

TextileVision [↗](#)

Python,Decision Tree Regressor, Scikit-learn, Gradio,Hugging Face

- AI based tool used to predict the loom speed, mixing ratio of fabrics used in textile industry. (ongoing)

Multi-Purpose ML Predictor Web App [↗](#)

Python, Flask,Pandas,Numpy, scikit-learn,SQLite

- Built a unified Flask application integrating four machine learning models: student performance prediction, Iris classification, diabetes prediction, and diamond price estimation.

Friday AI

Python, pyautogui, YOLOv8, pyttsx3, Gemini API

- Developed an intelligent assistant with face authentication, object detection, image generation, and integration with the Gemini API.

CONFERENCE PAPERS

Innovative Applications of AI and Machine Learning in Voice-Driven Systems: Friday AI 2.0 [↗](#)

Published in *International Conference on Innovations and Applications of AI (ICIAI-2025)*, April 2025.

Gemini:Google's New Generation Multimodal LLM [↗](#)

Published in *Latest Trends in Artificial Intelligence And Communication Technology,IEI*, April 2024.

EXPERIENCE

NIELIT, Ropar (National Institute of Electronics and Information Technology) [↗](#) **Jan 2025 – Present**

AI/ML Trainee

Rupnagar, Punjab

Technical Content Writer – DevOptiv [↗](#)

March 2025 – Present

Part-time Technical Content Writer

Remote

Solitaire Infosys Inc.) [↗](#)

July 2023 – Aug 2023

Cloud Computing Trainee

Mohali, Punjab

LEADERSHIP ROLES

Google Developer Student Clubs Lead,BBSBEC [↗](#)

July 2023 – Aug 2024

IEEE Student Branch Chairperson,BBSBEC [↗](#)

Jan 2024 –Jan 2025

ACHIEVEMENTS & CERTIFICATIONS

Grace Hopper Scholarship Recipient (Apr 2024)

Python Essentials 1 [↗](#)

Introducing Generative AI with AWS [↗](#)

Python 3.4.3 Training (IIT Bombay) [↗](#)

Cognizant - Artificial Intelligence Job Simulation [↗](#)