

Rohan Verma

+91 7009592201 | vermaron9@gmail.com | github.com/rverma345 | linkedin.com/in/rohan-verma-3b95a026a/

Enthusiastic and result-oriented Computer Science undergraduate with hands-on experience in Python, Machine Learning, Generative AI, and data-driven application development. Seeking to contribute to real-world projects by applying my skills to build impactful and intelligent systems.

EDUCATION

Dav University, Jalandhar, BTech in CSE Punjab, India	GPA: 8.4/ 10	2021-2025
Kendriya Vidyalaya No.2 Jalandhar Cantt, XII Punjab, India	Percentage: 93	2020-2021
Kendriya Vidyalaya No.2 Jalandhar Cantt, X Punjab, India	Percentage: 92	2018-2019

SKILLS

Languages	Python, SQL
Frameworks/Libraries	Langchain, Scikit-learn, TensorFlow, Pandas, Numpy, Matplotlib, Seaborn
Tools/Platforms	Jupyter Notebook, Google Colab, PowerBi, VS Code, Excel
Machine Learning	Supervised and Unsupervised Learning
Generative AI	Large Language Models (LLMs), Prompt Engineering, RAG, OpenAI API
Soft Skills	Problem-Solving, Team Collaboration, Communication, Analytical Thinking, Adaptability

PROJECTS

Movie Recommender System Oct 2024-Nov 2024

- Developed movie recommendation application leveraging the TMDB dataset and TMDB API.
- Implemented a robust similarity search mechanism using cosine similarity to provide personalized movie suggestions.
- Designed a multi-page interactive interface using Streamlit, featuring a Movie Details page, Trending Movies page, and comprehensive search functionality for an intuitive user experience.

Text Transformer Nov 2024-Dec 2024

- Developed an NLP application for real-time text summarization and paraphrasing using fine-tuned T5 and BART models.
- Integrated spaCy and custom spell-checking logic for NER and grammar correction; added speech-to-text and text-to-speech features using SpeechRecognition and gTTS.
- Designed an interactive Streamlit interface enabling users to perform advanced NLP tasks with minimal technical input.

CERTIFICATIONS & TRAINING

Machine Learning Specialization, DeepLearning.AI & Stanford Online (Coursera) July 2025
Supervised and unsupervised ML, deep learning fundamentals, and model evaluation using Python and scikit-learn.

Applied Data Science, IBM SkillsBuild June 2025
Performed data analysis, visualization, and statistical operations using Python, Pandas, Matplotlib, and Seaborn.

Data Analytics Certificate Course, ICT Academy Feb 2025
Learned Power BI for data visualization and dashboarding; performed data analysis and reporting using real-world datasets.

Data Science and Machine Learning Training, O7 Services, Jalandhar, Punjab July 2024
Acquired hands-on skills in preprocessing, EDA, feature engineering, ML models (Linear Regression, Decision Trees, K-Means), and deep learning with TensorFlow/Keras.

Core Python Training, O7 Services, Jalandhar, Punjab July 2023
Covered data structures, algorithms, OOP, and GUI development using Tkinter with form handling and validation.