# Vanshika Gupta

Bachelor of Technology
CSE SECOND Year
Indian Institute of Technology, Indore

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## EDUCATION

| Degree | Institute/Board | CGPA/Percentage | Year |
|---|---|---|---|
| B.Tech 1st year | Indian Institute of Technology, Indore | CGPA 9.15 | 2024 |
| Senior Secondary | CBSE | 97.4 percent | 2024 |
| Secondary | CBSE | 98.6 percent | 2022 |

## PROJECTS

- **Student Record Management System** *September 2024*
  *Tools: C++* [○]
  ◦ This enables you to create, read, modify and delete student Records. It helps the user to store student data and make changes to it such as Show, Update and Delete.

- **Hobby Predictor** *September 2024*
  *Tools: Python, Pytorch, SVM* [○]
  ◦ The Hobby Predictor uses neural networks and deep learning to recommend personalized hobbies based on user data.

- **Stock Screener Web Application** *December 2024*
  *Tools: Python, Streamlit, Matplot, Numpy, Pandas, Finance* [○]
  ◦ It is a Python-based tool for analyzing historical stock prices, calculating financial metrics like daily returns, volatility, and moving averages, and visualizing price movements with line charts. It features a user-friendly interface for selecting companies and customizing analysis parameters.

- **AI vs Real Image Classification using CNN** *January 2025*
  *Tools: Pytorch* [○]
  ◦ Classifies images into two categories: AI-generated and Real images using basic CNN model

- **AI vs Real Image Classification using Transfer Learning** *February 2025*
  *Tools: Deep Neural Networks, Pretrained Model Applications* [○]
  ◦ Classifies AI and Real images using various pretrained models like MobileNetV2, ResNet152, VGG16, EfficientNetB0 and InceptionV3.

- **Recommender App** *March 2025*
  *Tools: Python, Streamlit, Scikit-learn, Pandas* [○]
  ◦ The anime recommendation system processes user input to suggest anime titles based on either similar user ratings (collaborative filtering) or genre-based content similarities (content-based).

- **Image Generation using GANs(Generative Adversarial Networks)** *March 2025*
  *Tools: Python, Deep Learning, GAN implementation* [○]
  ◦ Implemented various types of GAN models like WGAN, DCGAN and CycleGAN which are trained to generate images.

## SKILLS

- **Programming Languages**: Python, C++, HTML, CSS, Javascript, React, Nextjs, Node, ExpressJS

- **Technologies**: Deep Learning, Computer Vision, Transfer Learning, Generative Models, Natural Language Processing, Attention, LLMs, OOPs in python and C++, STL

- **Tools**: Scikit-learn, Pytorch, Keras, Tensorflow, Jupyter Notebook, Google Colab, Kaggle, VS Code, Ubuntu, Git, Github

## CERTIFICATIONS

- **Machine Learning Specialization**, Certification *March 2025*

## ACHIEVEMENTS

- JEE Main 2024, Rank 1174 (99.9356667 percentile)

- JEE Advanced 2024, Rank 3599

- Placed under State Top 10 in NSEP Olympiad 2024-25

- AP grade in Basic Electrical Engineering (EE 101)