Abhinav Goel

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Profile

Ambitious Artificial Intelligence & Machine Learning undergraduate from GGSIPU with a strong theoretical foundation and hands-on experience in Python, ML, NLP, and Computer Vision. Proven academic excellence (92.2% in Class 10, 84.6% in Class 12) and driven by a passion for leveraging technology to address real-world challenges. Seeking internships or entry-level roles to contribute to innovative AI/ML projects and further develop my technical skills.

Projects

- Project: Diabetes Prediction - System Developed a predictive model using Random Forest achieving 94% accuracy. Deployed via a simple web interface using Streamlit.
- Project: Loan Approval Prediction - Web App Built an ML model using Logistic Regression and Decision Tree to automate loan approvals with 89% accuracy. Integrated a Flask web interface for user input and predictions.
- Project: Plagiarism Detector - Designed a text similarity engine using NLP techniques in Python and NLTK to detect copied content between documents. Extracted features such as cosine similarity on TF-IDF vectors.
- Project: CNN image generator - Built a Convolutional Neural Network to generate synthetic images (e.g. fashion/MNIST style) using Keras/TensorFlow. Explored data augmentation and latent space interpolation.
- Project: Chatbot using NLTK - Implemented rule-based chatbot in Python using NLTK, regex parsing, and custom intents. Handled contextual dialogue for FAQs and basic queries.

Education

- B.Tech in Artificial Intelligence & Machine Learning
  Guru Gobind Singh Indraprastha University (GGSIPU), New Delhi
  Expected Graduation: 2027
- Senior Secondary (Class 12)
  Sant Gyaneshwar Model School, Year of Passing– 2023
- Secondary (Class 10)
  Gyankalash International School, Year of Passing– 2021

Skills & Abilities

- Programming Languages: Python, Java, C++.
- Machine Learning: Scikit-learn, TensorFlow, NLTK.
- Deep Learning: Neural Networks, NLP, CNNs, ANNs.
- Data Analysis & Visualization: Pandas, NumPy, Matplotlib, Seaborn.
- Version Control: Git, GitHub.

- Deployment & Tools: Streamlit, Flask, VS Code, Jupyter Notebook.

Activities and Interests

Music, Environmental Conservation, Poetry, Hiking, Travel.