Uditanshu Pandey

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"Enthusiastic and skilled in Python, data structures, algorithms, and machine learning. Proficient in scikit-learn, TensorFlow, NumPy, and pandas, with experience in NLP. Cleared the GATE 2025 exam with an AIR of 3207 in Computer Science and an AIR of 4032 in Data Science & AI. Eager to contribute to innovative projects and thrive in a dynamic environment."

EDUCATION

Guru Gobind Singh Indraprastha University 2021 – 2025
BTech in Artificial Intelligence and Machine Learning - 9.061 CGPA(Current) *New Delhi*
Amity International School (CBSE) 2019 – 2021
12th (PCM with CS) - 95.2% *New Delhi*

TECHNICAL SKILLS

Programming Languages: Python, C++, SQL, SQLite, MongoDB, DJango
Deep Learning Frameworks: TensorFlow, Keras
Web Framework: Django, HTML, CSS, Bootstrap, Javascript
Libraries & Tools:NumPy, Pandas, Scikit-learn, OpenCV, NLTK, Pillow, Streamlit, Matplotlib, Seaborn, Git

PROJECTS

Conversational PDF Analysis Using LLMs | *NLP Project* Jul 2024

- **Intelligent Document Interaction:** Developed a system for users to interact with multiple PDFs using conversational queries.
- **Advanced Model Utilization:** Leveraged LLaMA-3.1-70b model via Groq API for robust contextual understanding.
- **Tools and Frameworks:** Integrated PyPDF2, LangChain, FAISS, and HuggingFace embeddings with a Streamlit interface.

Phishing URL Detector | *ML and NLP Project* Nov 2023

- **Predictive Analytics:** Built a machine learning model to identify malicious URLs using extracted features such as domain age and word count.
- **Scalable Framework:** Implemented the model with Scikit-learn and deployed via Streamlit for user-friendly interaction.
- **Accuracy Achievement:** Achieved a detection accuracy of 94%, enhancing cybersecurity measures.

Happy or Sad Image Classification Project Sep 2023

- **Objective:** Built a deep learning model using Convolutional Neural Networks (CNNs) to classify facial expressions as happy or sad, advancing emotion recognition technology.
- **Approach:** Leveraged CNNs for their exceptional performance in image-related tasks to develop a robust model for emotion classification.
- **Outcome:** Achieved high accuracy in emotion classification, demonstrating the model's effectiveness in recognizing facial expressions.
- **Tools:** Used TensorFlow, Keras, and Python for model development and training.

EXPERIENCE

Summer Training Sep 2023 – Oct 2023
NIELIT(National Institute of Electronics & Information Technology. *Gorakhpur, India*

- Participated in a comprehensive web development training program focusing on the Django framework. Successfully developed a fully functional web application as a final project. Received positive feedback from mentors for project performance and technical proficiency.

IBM SkillsBuild Internship in Artificial Intelligence Jul 2024 - Aug 2024

- I participated in an intensive program that included orientation, masterclasses, and hands-on learning. I focused on practical application by designing and fine-tuning chatbots using IBM Watson Assistants.

CERTIFICATES

- NIELIT Summer Training Completion Certificate
- Data Analysis with Python
- IIRS Outreach Programme on "AI/ML for Geodata Analysis" Completion Certificate
- IBM SkillsBuild Summer Internship Program on Artificial Intelligence