

# Anandita Saxena

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## Education

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### Indira Gandhi Delhi Technical University For Women

2022 – 2026

*B.Tech in Computer Science With Artificial Intelligence*

- GPA: 8.73/10.0
- **Coursework:** Data Structures and Algorithms, Operating Systems, Object Oriented Programming, Database Management Systems

## Projects

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### Sarcasm Detection using LSTM

[github](#) 

- Developed an LSTM-based sarcasm detection model with 98.95% training accuracy and 95.83% testing accuracy.
- Implemented data preprocessing and tokenization for handling informal language, emojis, and slang.
- Tools Used: Python, TensorFlow, Keras, NLTK, Pandas, NumPy, Scikit-learn, Matplotlib.

### Chat with Multiple PDFs

[github](#) 

- Built a Streamlit web app that allows users to query multiple PDF documents using natural language questions.
- Integrated Mistral-7B-Instruct model with LangChain for contextual answering and conversational memory.
- Implemented PDF parsing, chunking, vector embedding (MiniLM), and FAISS-based semantic retrieval.
- Tools Used: Python, Streamlit, LangChain, HuggingFace, FAISS, PyPDF2, sentence-transformers.

### AI Chatbot

[github](#) 

- This is an AI-powered chatbot built using the Gemini API.
- Designed architecture of the AI-driven chatbot using HTML, CSS, JavaScript combined with Bootstrap; incorporated unique features for seamless image uploads resulting in accelerated feedback cycle by reducing wait times from 30 seconds to under 5 seconds.
- Tools Used: HTML, CSS, JavaScript, Gemini API, Bootstrap

## Technologies

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**Languages:** Java, SQL, HTML, CSS, JavaScript, Python

**Libraries/Frameworks:** Bootstrap, jQuery, React.js (in progress), NumPy, Pandas, Streamlit, Matplotlib, Scikit-learn, BeautifulSoup, Selenium

**Tools/Technologies:** Tableau, MySQL, Git, GitHub, VS Code, Overleaf, Google Colab, Jupyter Notebook

## Acievements

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- Winner of Lean In IGDTUW Stock trading competition.
- Smart India Hackathon: Selected among 150+ college teams
- IdeaStorm: Among top 40 teams in 1000+ participants
- Cleared JEE Advanced Exam (2nd Toughest Exam in the world)
- AIR-16,428 in JEE main exam among 7,00,000 students
- 3rd place in BBL School Science Exhibition

## Involvements

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- Desh ke Mentor — *Mentor*
- Prekshya, IGDTUW — *Member*
- Finivesta, IGDTUW — *Creative Team Member*