

Siddharth Kumar Singh

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Education

Galgotias College Of Engineering And Technology

Bachelor of Science in Computer Science(Artificial Intelligence) (CGPA: 8.18)

Expected June 2025

Greater Noida, UP

Projects

WHATSAPP-CHAT-ANALYZER | Data Analytics, Python, Pandas, Numpy, EDA, Streamlit, Matplotlib, Seaborn

- Engineered a WhatsApp Chat Analyzer using Streamlit, implementing **data preprocessing with regex and Pandas**, and applied **analysis methods** like activity heatmaps, **word clouds**, and **message timelines** using Matplotlib and Seaborn.
- Deployed on Render**, integrating file upload, user-level filtering, and **statistical methods** such as **message count**, media/link detection, and **time-period analysis** for real-time chat insights.
- Link-To-Website:- [CLICK-HERE](#).

BOOK-RECOMMENDER-SYSTEM | Data Analytics, Python, Numpy, Pandas, Word2Vec, Machine Learning , Flask

- Developed and deployed a Book Recommender System using **collaborative filtering** with **cosine similarity** and **popularity-based filtering**, along with a Flask web interface **hosted on Render**.
- Performed **data analysis** to enhance recommendation accuracy, leveraging Python and Pandas for model implementation and system deployment.
- Link-To-website:- [CLICK HERE](#) .

AI-BASED RURAL HEALTH-CARE SYSTEM | Python, tensorflow, deep-learning, CNN, RAG, GPT-API

- Developed a multi-lingual health care platform, tailored for rural areas, integrated with AI models for **Brain-Tumor**, **Kidney-Tumor** and **Pneumonia Classification** using **VGG-16** via **transfer learning**.
- Incorporated (**Retrieval Augmented Generation**) **RAG** based **ChatBot** to assist in healthcare queries

VISION-BASED-ATTENDANCE-SYSTEM | Python, Tensorflow, OpenCV, YoloV5, streamlit, Numpy

- Automated attendance recording using **Haarcascade-frontalface model** and webcam integration.
- Stored attendance in a CSV format with real-time updates via **Streamlit** interface.

AI-EMPLOYEE | Python ,Pandas, Machine Learning Algorithms, Streamlit, Matplotlib

- Created an AI-powered data analysis tool using Python, integrating machine learning algorithms like **Random Forest** and **K-means Clustering** for automated insights generation and predictive modeling.
- Designed a user-friendly **Streamlit** interface for easy dataset upload, preprocessing, and advanced visualizations, including **heatmaps** and **distribution graphs**.

Technical Skills

Programming Languages: Python, SQL, C++

Machine Learning: Regression Algorithms, Classification Algorithms, Clustering Algorithms

Deep Learning: ANN, CNN

NLP: Tokenization, Lemmatization, TF-IDF, BOW, RNN, LSTM, Transformers

Data Visualization: Tableau, Matplotlib, Plotly, Seaborn, Bokeh

Skills: DSA, Problem Solving, Mathematics, OOPs

Tools: GIT, GITHUB, TensorFlow, Pytorch, Numpy, Pandas, Yolo, OpenCV, APIS, RAG