Akshara Bohra

Undergraduate

Enthusiastic BTech student specializing in Artificial Intelligence and Machine Learning, proficient in Python, C, and Java. Skilled in problem-solving and keenly interested in AI, ML, DL, NLP, and Web development, eager to contribute to innovation in a dynamic environment.

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EDUCATION

B. Tech in Artificial intelligence and Machine Learning
Karnavati University, Gandhinagar
08/2021 - 05/2025 *SGPA - 9.2*

High School Diploma (12th Grade)
Sun Valley The School - CBSE Begun, Chittorgarh
05/2020 - 05/2021 *Percentage - 82%*

PROJECTS

Image Caption Generator using CNN, LSTM and VGG16
- Implemented an Image Caption Generator with CNN, LSTM, and VGG16 in Python, enhancing image understanding by generating descriptive captions for images.

Developed a PHP-based hostel grievance portal, enhancing resident-management communication and conflict resolution.
- Implemented a PHP-based hostel grievance portal to facilitate effective communication between residents and management. The portal streamlined the grievance submission process, enabling residents to report issues and track their resolution status, ultimately improving resident satisfaction and conflict resolution within the hostel environment.

Developed a PHP-powered blog website with an intuitive admin panel for Karnavati University, facilitating effortless content management and community engagement.
- Developed a PHP-powered blog website with an admin panel for Karnavati University, streamlining content management and enhancing community engagement.

Sentiment Analysis Using Natural Language Processing
- Developed a sentiment analysis project utilizing natural language processing techniques to analyze the sentiment of textual data. Implemented Python programming along with NLP libraries such as NLTK and spaCy for data pre-processing, feature extraction, and sentiment classification.

Customer Segmentation and Classification with R programming
- Implemented customer segmentation and classification using R programming, leveraging K-means and hierarchical clustering. Employed the elbow method and silhouette score for optimal cluster determination

Movie Recommender System based on Content Based Filtering
- Developed a Movie Recommender System based on Content-Based Filtering, utilizing Python. Analyzed movie features such as genre, plot keywords, and cast to recommend similar movies to users. Enhanced user experience by providing personalized movie suggestions aligned with their preferences and interests.

SOFT SKILLS

Teamwork | Time Management | Adaptability | Problem-Solving | Communication | Creativity

CORE QUALIFICATIONS

Programming Language - C, Python (including libraries such as TensorFlow, Keras, Scikit-learn, NumPy, Pandas), Java, R,

Database - MySQL,MongoDB

Machine Learning - Classification, Regression, Clustering.

Deep Learning - CNN, RNN, LSTM, Computer Vision, OpenCV

NLP: NLTK, Spacy, NER,

Environments - Jupyter Notebook, Google Colab, IDEs (PyCharm, Spyder), Visual Studio Code.

Web development - Html, CSS, Javascript, PHP

Data Structures

Version Control - Git, Github

CERTIFICATES

Supervised Machine Learning: Regression and Classification through Coursera

Object Oriented Programming in Java through Coursera

Machine Learning course by Standford University through Coursera

Crash Course on Python authorized by Google and offered through Coursera

Certificate for participating in HackOut 2023 organised by DA-IICT

Foundations of R Software through NPTEL

LANGUAGES

Hindi
Native or Bilingual Proficiency

English
Full Professional Proficiency

INTERESTS

Machine Learning | Computer Vision | Deep Learning | NLP