

Akshara Bohra

Undergraduate

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PROFILE

- Enthusiastic BTech student specializing in AI and Machine Learning with a high academic performance (SGPA - 9.4).
- Proficient in Python, C, C++ with hands-on experience in developing machine learning models and web applications.
- Experienced in using TensorFlow, PyTorch, NLTK, and spaCy for AI and NLP projects.
- Skilled in PHP and web development, having created impactful portals and websites for enhanced user experience.
- Passionate about AI, ML, DL, and NLP, with a strong interest in contributing to innovative and dynamic tech environments.

EDUCATION

B. Tech in Artificial Intelligence and Machine Learning

- Karnavati University, Gandhinagar 08/2021 - 05/2025 | SGPA: 9.4

High School Diploma (12th Grade)

- Sun Valley The School - CBSE Begun, Chittorgarh 05/2020 - 05/2021 | Percentage: 82%

SKILLS

- **Programming Languages** - Python, C, C++, R
- **Machine Learning** - TensorFlow, Keras, PyTorch, CNN, RNN, NLP
- **Data Analysis** - Pandas, NumPy, SciPy
- **Data Visualization** - Power BI, Tableau, Matplotlib, Seaborn, Plotly
- **Web Development** - HTML, CSS, JavaScript, Flask, Streamlit
- **Database Management** - MySQL, MongoDB, SQL, NoSQL, Django
- **Data Structures & Algorithms** - Arrays, Linked Lists, Stacks, Trees, Graphs
- **Python Libraries** - scikit-learn, NLTK, spaCy, OpenCV, StatsModels
- **Soft Skills** - Communication, Teamwork, Problem Solving, Time Management, Adaptability, Critical Thinking

PROJECTS

Image Caption Generator using CNN, LSTM, and VGG16

- Implemented a sophisticated image captioning system in Python.
- Utilized Convolutional Neural Networks (CNN) and Long Short-Term Memory (LSTM) networks for generating captions.
- Integrated VGG16 for feature extraction, enhancing image understanding by producing descriptive captions.

Hostel Grievance Portal

- Developed a PHP-based portal to facilitate communication between hostel residents and management.
- Streamlined the grievance submission process, allowing residents to report issues and track resolution status.
- Improved conflict resolution and resident satisfaction through effective management communication.

Blog Website for Karnavati University

- Created a PHP-powered blog website featuring an intuitive admin panel.
- Enabled effortless content management and enhanced community engagement.
- Facilitated easier content updates and user interaction through the admin panel.

Sentiment Analysis Using Natural Language Processing

- Developed a sentiment analysis project in Python utilizing NLP techniques.
- Implemented data preprocessing, feature extraction, and sentiment classification using libraries such as NLTK and spaCy.
- Analyzed textual data to determine sentiment and provide insights into user opinions.

Movie Recommender System Based on Content-Based Filtering

- Developed a recommendation system in Python using content-based filtering.
- Analyzed movie features such as genre, plot keywords, and cast to recommend similar movies to users.
- Enhanced user experience by providing personalized movie suggestions tailored to individual preferences.

CERTIFICATIONS

- **Certificate of Achievement, Karnavati University** - Completed training on Emerging Technologies (Machine Learning, IoT, Deep Learning, Computer Vision, SAP ABAP on BTP) under Code Unnati Program by SAP and Edunet Foundation (2023 - 2024).
- **Foundations of R Software** - NPTEL, October 2023.
- **Certificate of Participation, HackOut 2023** - Organized by DA-IICT, 2023.
- **Crash Course on Python** - Google, Coursera, August 2023.
- **Machine Learning Course** - Stanford University, Coursera, March 2023.
- **Object-Oriented Programming in Java** - Coursera, February 2023.
- **Supervised Machine Learning: Regression and Classification** - Coursera, January 2023.

INTERESTS

- | | | |
|--------------------|-------------------------------------|-------------------|
| • Machine Learning | • Natural Language Processing (NLP) | • Deep Learning |
| • Computer Vision | • Data Visualization | • Web Development |

LANGUAGES

- English | Hindi