SIDHARTH SAHOLIYA

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EDUCATION

Atharva College of Engineering   Jul 2021 – Present
Bachelor's of Engineering in Information Technology   *Mumbai, India*
CGPA   **8.9**/10

CONFERENCE

ICSTEMSD   January 2025 – Present
Disaster Classification using CNN   *Paper ID: 183*
- Proposed a deep learning-based Convolutional Neural Network (CNN) model for classifying disasters from visual data. This research aims to improve disaster response and management by accurately identifying disaster types, such as floods, wildfires, and earthquakes, from image datasets. Presented at the International Conference on Science, Technology, Engineering, and Mathematics for Sustainable Development 2025.

PROFESSIONAL EXPERIENCE

The Encryptix   June 2024 – July 2024
Machine Learning Intern   *New Delhi, India*
- Engineered and deployed **2 machine learning models** for **SMS Spam Detection** and **Movie Genre Prediction**, applying advanced **NLP techniques** including **TF-IDF**, **Stemming**, and **Punkt Tokenizer**.
- Achieved **92% accuracy** in the SMS spam detection model through **Multinomial Naive Bayes** and fine-tuned feature extraction processes.
- Utilized **Python**, **NLTK**, and **Pandas** for data preprocessing and visualization, optimizing data pipelines to increase model performance by **15%**.

PROJECTS

E-Restaurant (QR-Code System)   Feb 2023 – April 2023
PHP, MySQL, JavaScript, HTML, CSS
- Designed and implemented a **QR code-based system** for contactless food ordering using **PHP, JavaScript, MySQL**, increasing customer safety and satisfaction by **30%** during the COVID-19 pandemic.
- Engineered an intelligent **chatbot** solution that addressed **80%** of frequently asked questions, ultimately **decreasing average response** time by over **50%,** leading to a notable enhancement in overall **customer satisfaction**.

Disaster Classification System using CNN   July 2024 – Oct 2024
Python, Flask, CNN, React
- Deployed the **Xception model** to accurately **classify disaster images**, achieving **93% accuracy** by processing over 12,000 images from a Kaggle dataset using **Flask** as a **backend** and **React** as a **Frontend**.
- Designed and customized a **CNN model** for **infrastructure vulnerability** detection, achieving an accuracy of **96%** on a dataset of **10,000 images**, utilizing **80%** of the data for training and **20%** for testing.
- Created an **AI-driven chatbot** to assist users with navigating the WebApp, cutting repetitive queries by over **60%**.

TECHNICAL EXPERTISE

- **Languages**: Python, SQL, JavaScript, HTML, CSS
- **Frameworks**: Flask, TensorFlow
- **Libraries**: React, NLTK, Pandas, NumPy, scikit-learn, Matplotlib
- **Tools**: Git, GitHub, Kaggle, Slack, ClickUp

KEY ACHIEVEMENTS

- Served as **Technical Volunteer** for **Ember,** a prominent technical event organized by **Atharva College of Engineering,** overseeing event setup and technical logistics.
- Worked as a **Social Media Marketing** and **Content Creator** Intern at **Brainheaters**, where I significantly enhanced the company's online presence by increasing Instagram followers by **35%** and WhatsApp group members by **47%**.
- As a **Sports Captain,** leading teams to the **finals** in Intra-collegiate **Basketball** and **Volleyball** tournaments organized by BSC Sports Management at Atharva College in 2024.