

# Akanksha Jadhav

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## EXPERIENCE

- **Data Analyst Intern** Sep2023 - Feb2024  
*Gamaka AI* Pune, India
  - Performed data collection, pre-processing and data cleaning tasks to ensure data accuracy and validity.
  - Developed different data-models of machine learning and deep learning to gain insights from data which helps in identifying trends and patterns in order to support decision making.
- **Data Science Intern [AICTE Approved]** [Link](#) Jan2024 - Feb2024  
*Edunexa Tech* Remote, India
  - Developed an NLP-based system to classify twitter sentiment with 92% of accuracy. Enabled data driven decisions by understanding public opinion on various topics.
  - Analysed housing data to predict property prices with 97.3% accuracy using Python and regression models. It enhanced understanding of real estate market trends and price influencers.

## SKILLS

<b>Data Collection</b>	Web Scraping, APIs
<b>Analytical Tools</b>	Power BI
<b>Programming Languages</b>	<a href="#">Python</a> , SQL
<b>Libraries</b>	Numpy, Pandas, Matplotlib, Scikitlearn, Seaborn
<b>Deep Learning and Generative AI</b>	ANNs, CNNs, RNNs, LSTM, Langchain

## PROJECTS

- **Emosense - Multimodal Sentiment Analysis** Aug2023 - May2024  
*Final Year Project*
  - Data Collected and Enhanced multimodal dataset (text, audio, video) from **Kaggle** using Pandas and Numpy. Improved data quality with preprocessing techniques in **Jupyter Notebook**.
  - Performed **data augmentation** to increase dataset size. Developed a user interface using HTML, CSS, and Flask.
  - Leveraged Transfer Learning, **BERT**, and ASR to enhance data quality.
  - Implemented real-time emotion detection.
- **JalRaksha - Dredging Analysis and Decision Support System** Sep2023 - Dec2023  
*Smart India Hackathon Finalist 2023*
  - Developed an advanced system to analyse and forecast sediment levels in the ocean, significantly enhancing efficiency and reducing operational costs.
  - Implemented an **ARIMA** forecasting model to predict sediment levels for the next 3days, allowing for timely dredging operations only when necessary.
  - Build a dataset by mapping different features with output variable. Created an intuitive UI using Streamlit, enabling easy access and interpretation of sediment data for decision-makers.
- **Language Translator - English to French/Spanish** [Link](#) Feb2024- Mar2024  
*NullClass*
  - Collected a large bilingual text dataset for training translation models.
  - Implemented and fine tuned Seq2Seq models with attention mechanisms to improve translation quality.
  - Achieved translation accuracy with BLUE score, enabling seamless bilingual communication.

## EDUCATION

**BE Honours**, Bharati Vidyapeeth's College of Engineering Pune Jan2021 - Present  
Majors: Computer Engineering and Data Science; GPA: 8.89

**XII**, Jawahar Navodaya Vidyalaya Satara April2019 - Mar2020  
Majors: Physics, Chemistry, Mathematics, Biology; Percentage: 90

## CERTIFICATIONS AND COURSES

- **Machine Learning and Data Analytics**, IIT Bombay Projects of ML and DL [Link](#)
- **Data Analytics Essentials**, Cisco Networking Academy
- **Deep Learning from basic to advance** [Link](#)
- **Tata Data Visualisation**: Empowering Business with Effective Insights.

## ACHIEVEMENTS

- **Kaggle Notebook Expert** achieved 15 Medals [Link](#)
- **Paper Publication** Multimodal Sentiment Analysis: A comprehensive overview  
IJARESM Publication, India An ISO & UGC Certified Journal