

ANNARAPU NITHIN

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Education

SR University, Telangana, India
Bachelor of Technology in Computer Science

Oct 2022 – May 2026
CGPA: 7.8

Shivani Jr.collage,Bheemaram, Hanamkonda
MPC Intermediate

Jul 2020 – Jul 2022
Percentage: 91%

Viveka Vardhuni High School, Mulugu
SSC

Jun 2019 – Jun 2020
GPA: 10

Projects

Smart Floating River Cleaner

Embedded C

- This project involves the design and development of a remote-operated floating machine to clean surface waste from rivers and ponds. It uses renewable energy and smart control systems to collect plastic, debris, and other floating impurities efficiently

Sentiment Analysis

Python Machine Learning

- Performed sentiment analysis on Twitter data using TF-IDF vectorization and machine learning models like Logistic Regression, SVM, and Random Forest.
- Preprocessed text using NLTK and TextBlob, achieving accurate classification of positive, negative, neutral, and irrelevant tweets.

Indian Language Detection

Machine Learning

- Developed a machine learning model to detect Indian languages from text using TF-IDF vectorization and classifiers like Naive Bayes, Logistic Regression, and SVM.
- IPreprocessed multilingual text data and evaluated models using accuracy and classification metrics.
- Demonstrated strong NLP skills and understanding of text classification in a multilingual context.

Facial Emotion Recognition

Python, Deep Learning

- Built a CNN-based facial emotion recognition model using the FER-2013 dataset, achieving 75% accuracy across 7 emotion classes.
- Implemented SHAP for model interpretability and enhanced performance with data augmentation and regularization techniques.

Internships

Cloudveto Technology

May 2024 – June 2024

EX-Intern

Hyderabad, India

- The project aims to develop a system that can accurately detect and identify various Indian languages in written text. Language detection is usually used to identify the language of business texts like emails and chats.
- This service is used to detect which languages are present in a text and give the percent of each. Develop a machine learning model capable of detecting multiple Indian languages. Achieve an accuracy rate of at least 95% in language detection.

AICTE Virtual Internship

Sep 2023 – Nov 2023

Goggle Android Developer

AWS Academy

- Completed a virtual internship focusing on Android developer through the AICTE on AWS Academy.
- Acquired hands-on experience in Android Development techniques and applications.

Technical Skills

Programming Languages: C, Java, Python, HTML, CSS

Other Achievements (Certifications, Workshops Attended)

- Data Structures and Algorithms - Coursera
- Azure AI Fundamentals - Microsoft
- IBM Machine Learning - Coursera
- Introduction to Networks - Cisco
- Switching, Routing And Wireless Essenti - Cisco