



# APOORVA NIMMAGADDA

**B.TECH - CSE - (DS & AI)**

## OBJECTIVE

As a student specializing in AI & Data Science at Woxsen University, I have honed my skills in data analysis, and artificial intelligence algorithms. With a strong foundation in statistical analysis and programming languages such as Python, I am equipped to tackle complex data-driven challenges. My academic coursework and hands-on projects have provided me with valuable experience in data preprocessing, model building, and evaluation techniques. Eager to apply my knowledge and contribute to innovative solutions in the field of AI and Data Science.

## • WORK EXPERIENCE

**SELCA CONSULTING - Hyderabad**

SEPT 2023- JAN 2024

### API ENGINEER

Contributed in following development:

- Wrote HTML Code for Webpages
- Built API's for Web and Mobile applications
- Organized performed Data analysis for market health insurance related topics.
- Developed Frontend based on client requirements
- Updated Data Entry for 2024 in Excel Health Insurance

## • SUMMER EXPERIENCE

June 2023 - Aug 2023

### Technical Intern

- volunteering providing awareness on blood donation.
- created a web page to act as a bridge to track registered donors receivers for emergency blood requirement
- Providing administrative support:  
This includes tasks such as maintaining the applicant tracking system (ATS), updating on blood donation, and preparing recruiting materials.

## • CERTIFICATIONS

- Data Analysis with Python
- Data Visualization with Python
- Python for Cybersecurity
- Sort student marks using Bubble & Insertion Algorithms
- Getting Started with Azure IOT Hub

## CONTACT

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## EDUCATION

**WOXSEN UNIVERSITY** 2021 - 2025

- Ai and Data Science
- CGPA -3.2/4.0

**SARADA INSTITUTIONS** 2019 - 2021

- SSE
- 98%

## TECHNICAL SKILLS

- HTML , CSS and PHP
- Python, Java and react.js
- Machine learning and Deep Learning
- SQL , MongoDB
- Excel , PowerBI
- Computer vision

## LANGUAGES

- English (Fluent)
- Telugu (Fluent)
- Hindi (Intermediate)

## PROFESSIONAL SKILLS

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- Planning and Coordination
- Teamwork and Collaboration
- Problem solving
- Leadership

## AWARDS

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- Published Journal
- SIP Abacus -Second runner up of AP (2019)

## PROJECTS

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### 1 Food Recipe Application

**Description :** Developed an interactive recipe application that enables users to search, browse, and save recipes. Key Features: Integrated API for real-time data retrieval, state management for seamless UX, and responsive design for multi-device compatibility.

**Tools used :** React.js, RESTful APIs, React Hooks, Styled-Components, JavaScript (ES6+)

### 2 Building Learning Platform using Langchain Tools Used

- **Web Scraping:** Scrapy integrated with SERP API fetches real-time content, generating around 280 documents per query. Further optimizations are underway to manage data volume efficiently.

- **LLM Response Generation:** Llama 3 in OllamaService generates responses based on structured prompts from user queries and scraped data.

- **Data Storage User Management:** MongoDB organizes scraped data by query, stores user profiles, and manages conversation history. Functions for user registration, data updates, and conversation storage are operational.

### 3 Indian Sign Language Detection Using Lightweight Architecture

- collaborated on developing a lightweight architecture for Indian Sign Language (ISL) detection. We addressed the limitations of existing methods by using one-shot and few-shot learning techniques, integrating a prototypical network with a pre-trained DenseNet121 model. demonstrating both high accuracy and computational efficiency. Supervised by Dr. Kiran Kumar Ravulakollu,our project involved extensive data collection, model training, and evaluation, highlighting the potential of lightweight learning techniques for real-time ISL detection and improving communication for the deaf and hard-of-hearing community in India.