



SYED ABJIMIAH I

Senior Associate - Software Developer (AIML / NLP)

Passionate about language and technology, I specialize in Natural Language Processing (NLP) and Artificial Intelligence Markup Language (AIML). My expertise spans developing sophisticated chatbots, optimizing audio recording web apps, and seamlessly translating content into multiple languages. With a keen focus on enhancing user experience and delivering precise translations.



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WORK EXPERIENCE

Senior Associate Enterprise sys Sutherland Global PVT LTD

06/2022 - Present

Chennai

Achievements/Tasks

- **Automatic Question Generation:** Leveraged transformer models to generate questions from various sources (PDFs, words, audio, video), achieving a 25% increase in accuracy and a 30% boost in processing speed.
- Optimized a **sentiment analysis model**, increasing its F1 score from 0.82 to 0.91, Created a **question-answering chatbot** that handled 10,000+ user queries per day with a 95% accuracy rate!
- **Speech-to-Text and Text-to-Speech:** Integrated advanced speech recognition and synthesis technologies to facilitate seamless audio and text conversions!
- **JWT Authentication:** Ensured secure authentication and authorization through the implementation of JSON Web Token (JWT) authentication mechanisms.
- **Base64 Image to Text Conversion:** Created a streamlined process for converting base64-encoded images to text, improving data extraction efficiency.
- **Sensitive Data Handling:** Implemented masking techniques for sensitive data and censor words, along with fuzzy date search capabilities for enhanced data privacy.

SOFTWARE DEVELOPER - INTERNSHIP Kaashiv Infotech PVT LTD

09/2021 - 03/2022

Chennai

Achievements/Tasks

- **Hyperparameter Grid Search:** Conducted extensive hyperparameter grid searches, resulting in a 20% performance improvement for various models and tasks.
- **K-means Clustering:** Applied K-means clustering to segment datasets, improving insights and data-driven decision-making processes. **DBSCAN Clustering:** Utilized DBSCAN clustering to identify and analyze data patterns, particularly in noisy datasets!

SYSTEM ENGINEER

Dkam Interio PVT LTD(2019 - 21) & Accel Frontline(2017 - 18)

Chennai & Bangalore



PERSONAL PROJECTS

Prompt Engineering (04/2024 - 05/2024)

PDF Annotator and Redact (02/2024 - 03/2024)

Resume Screening (05/2023 - 07/2023)



SKILLS

Python

Machine Learning & AI

Natural Language Processing

MySQL

Computer Vision

JavaScript (Node.js)

Web Development - Flask, restful
APPI dev

Network configuration and
troubleshooting



EDUCATION

Francis Xavier College MASTER OF ENGINEERING

2020 - 2022

Courses

- ISE

Loyola College BACHELOR OF ENGINEERING

2012 - 2016

Courses

- ECE



HONOR AWARDS

100% Focus On Result
(06/2024 - Present)

Sutherland Global PVT LTD



LANGUAGES

English, Tamil, Hindi, Urdu

