

# SANDEEP NADESAN

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## CAREER OBJECTIVE

Passion ML and DL engineers are eager to develop intelligent solutions and drive innovation through data-driven insights. Machine learning, deep learning and AI technologies committed to continuous learning and development.

## EDUCATION

### **B.Tech**

#### **Artificial Intelligence and Data Science**

Kongu Engineering College

8.14\*/10.0

### **SSLC**

Sri Sankara Vidyalayaa


68.4/100.0

### **HSE**

Sri Sankara Vidyalayaa

82.6/100.0

## PROFILES

 sandeepnadesan

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 sandeepn\_2004

## SOFT SKILLS

- Leadership Time
- management Team
- management
- Problem Solving

## SKILLS

### • **Programming Languages**

C, Java, Python, C++

### • **Front-end**

HTML, CSS, React, Javascript

### • **Technology**

Machine Learning, Deep Learning

### • **Database**

MongoDB, SQL

### • **Frameworks**

Flask, Node.js

## TOOLS

Git, Github, Streamlit, Canva

## AREAS OF INTEREST

- Web Development
- Machine Learning
- Cloud Technology

## CERTIFICATION

- MongoDB Associate Developer
- Oracle Cloud Infrastructure

## LEADERSHIP

### **Joint Secretary**

- Association of AI Department, KEC

### **Executive Member**

- National Service Scheme, KEC

## INTERNSHIP

### **Centillion Labs**

Jan'23-Mar'23

- Optimized data pipelines and ensured data integrity as a Data Engineer at Centillion Labs, leveraging GCP and AWS for scalable cloud solutions.
- Designed secure cloud infrastructures and contributed to risk assessment and threat mitigation to enhance organizational cybersecurity.
- "Feather on the Cap Award"—Recognized for exceptional performance and commitment during my internship at Centillion Labs

## PROJECTS

### **Hugging Faces**

[Github](#)

- Languages Used: Python, HTML, CSS
- Implemented three models using Hugging Face models, integrated them into a web interface, and designed the UI on a single webpage.

### **Health Care Monitor**

[Github](#)

- Languages Used: Python, HTML, CSS
- Created a disease prediction application leveraging VertexAI, and designed a user-friendly UI interface on a webpage.

### **Farm2Bag Chatbot**

[Github](#)

- Languages Used: React, JavaScript, HTML, CSS
- Developed a chatbot for the Farm2Bag website using GCP's Vertex AI and Agent Builder, integrating Retrieval-Augmented Generation (RAG) for dynamic information retrieval.
- Created a Telegram bot to enhance user experience by providing faster and more convenient access to services.

### **Dark Pattern Analysis -Web Extension**

[Github](#)

- Languages Used: JavaScript, HTML, CSS
- Developed a project focused on identifying and analyzing dark patterns in e-commerce websites, including timers and other deceptive user elements.

### **Crime Data Analysis**

[Github](#)

- Tool Used: PowerBI
- the analysis of crime data, improve data interpretation, and ensure better decision-making by adjusting the accuracy and relevance of crime patterns.

## PAPERS PRESENTED

### **Stress Analysis Using ML**

Feb'23

- To determine the stress of the comments from the social media from Dravidian Lang Tech.

### **Gas Leakage Determination using Sensor**

Oct'23

- Focuses on a method to accurately determine the amount of gas leaked from cylinders by utilizing advanced sensors.

## ACHIEVEMENTS

Secured 1st place in 24 hrs Hackathon on creating a responsive health care monitoring app for people.

- Published a paper on Stress analysis in the IEEE Magazine
- Published a paper on Advanced Deep Learning Techniques for Automated Freshness Detection and Quality Assessment of Fruits in SSRN Magazine