SANGEETHA J

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EDUCATION

Rajalakshmi Institute of Technology TamilNadu , India
Bachelor of Computer Science and Engineering; CGPA: 9.3 **November 2022 – May 2026**

SKILLS SUMMARY

- **Languages:** Python, SQL ,Java(basics) , HTML, CSS, JavaScript , React (framework)
- **Communication:** English & Tamil(Proficient) , Hindi (literacy), Japanese (N5)
- **Frameworks:** Pandas,Numpy,Schikit-Learn,Matplotlib,Opencv,Tensorflow,Keras,Statistics
- **Tools:** Excel,PowerPoint, MS Word, Power BI, Tableau
- **Platforms:** PyCharm, Jupyter Notebook , Visual Studio Code, Google Colab
- **Softskills:** Leadership , Communication, Time Management

WORK EXPERIENCE

DATA SCIENCE INTERN | INFOTACT SOLUTIONS **December 2024 – January 2025**

- Worked on a **Customer Segmentation** project using **K-Means Clustering**.
- Performed data collection, preprocessing for segmentation.
- Built a Power BI dashboard for customer insight visualization.

MACHINE LEARNING INTERN | DATA ALOCOTT SYSTEMS **July 2024 – August 2024**

- Worked on the project of **Predictive Insights for Airlines**.
- Performed data cleaning and preprocessing for machine learning.
- Applied ML algorithms to derive predictive insights from airline data.

PROJECTS

3D Weather App

- Developed a responsive weather app with 3D card animations and an interactive horizontal slideshow that displays real-time weather data and intelligent user suggestions based on current conditions, using **React via CDN.**

Persons Injured in Accident Video

- Developed a computer vision system using **OpenCV** and **ML** to detect the number of persons injured in accident scenes.

Smart Home Automation using Arduino and GSM sim module (for IIT PALS innowah challenge**)**

- We Created an IoT project to automate home control using Arduino and GSM modules. The system sends SMS updates about electronic devices **"Filed a patent application, which has been published."**

Contest Management System (CMS)

- In this project I developed frontend using html, css , javascript, react and created test cases also loaded the dataset in this project, currently working on a research paper based on it & **"Applied for copyright registration."**

CERTIFICATES

- Privacy & Security in Online Social Media – **NPTEL** (Silver medal, 77%)
- Graph Theory Programming Camp **– AlgoUniversity**
- Bootcamp in AI – **NoviTech R&D Pvt. Ltd.**
- Python for Data Analysis – **Great Learning** & Introduction to Python – **Sololearn**
- Introduction to Machine Learning & Computer Vision – **Kaggle**
- Data Analytics Job Simulation – **Tata, Deloitte, Accenture**

ACHIEVEMENTS

- Finalist – **IIT PALS innowah Challenge** (South India) & Runner–Yuva idea hackathon (College level)
- Core Member – **ZF Center**
- Campus Ambassodor – Teachnook & Co-author – *"RADHAYIN KANNAN"* (Anthology by Yappu)