

# Deepanraj Sakthivel

Data Analyst

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LeetCode **Deepanraj-07**



## SUMMARY

I'm a motivated fresher with a strong background in Machine Learning and Data Science. Eager to apply my skills to develop cutting-edge solutions. Committed to learning and making a meaningful impact with integrity..



## SKILLS

**Languages:** Python, JAVA, C, JavaScript, SQL.

**Technical Skills:** Git & Github, Data Analysis, TensorFlow, NumPy, Object Oriented programming, Pandas, Flask, Streamlit, Scikit-learn, PowerBI, Tableau, MySQL, Figma, Langchain, RAG.

**Soft Skills:**

- \* Leadership.
- \* Time management.
- \* Communication skills.
- \* Teamwork.



## PROJECTS

### RAG-Based PDF Querying with OpenAI's GPT

Web chat app with Streamlit and Langchain implements RAG framework for PDF querying via OpenAI's GPT. FAISS indexes ensure quick snippet retrieval for enhanced conversations. [Github](#)

[Streamlit](#) [Langchain](#) [RAG](#) [OpenAI GPT](#)

### Machine Learning Approach for Maternal and Fetal Health Classification

This project aims to classify Cardiotocogram (CTG) exams into Normal, Suspect, and Pathological categories, enhancing maternal and fetal health assessment through optimized training and evaluation techniques.

[Github](#)

[Classification](#) [Algorithms](#) [Data preprocessing](#)

### IPL Data Dive: Power BI Dashboard

The IPL Dashboard in Power BI offers analysis of Indian Premier League cricket data through interactive charts and graphs, empowering users with valuable insights.

[Github](#)

[PowerBI](#) [Visualization](#) [Data Analysis](#) [Dashboard](#)

### Health Monitoring Web Application

Full-stack ML app for health monitoring using React.js, Flask, and MongoDB. Features user analytics and a querying chatbot. [Github](#)

[React](#) [Flask](#) [MongoDB](#) [Machine Learning](#)  
[Langchain](#)



## Internship

**Fabromen | Web Development Intern March 2022 - May 2022 | Remote, Erode, Tamil Nadu, India**

- **Collaborated** on a **static website development** project at **JBROS** (Fabromen subsidiary).
- **Specialized** in **front-end development** and contributed to **UX/UI design** using **Figma**.
- **Translated** designs into **HTML code**, **optimizing** for **laptop view**.  
[website](#)



## EDUCATION

**Artificial Intelligence and Data Science - 8.70/10.00 - 2024\***

Bachelor, Kongu Engineering College - Erode, Tamil Nadu

**HSC - 91.33% -2020**

SPM Higher Secondary School - Namakkal, Tamil Nadu



## Area of Interest

- Data Structures and Algorithms
- Machine Learning



## Achievements

- I **secured** the **second position** in a **departmental hackathon** during my **second year of study** by **designing** a **creative text-to-speech conversion solution**.
- I have **successfully solved over 290 problems** on **LeetCode**, demonstrating my **strong problem-solving skills** and **proficiency in algorithmic problem-solving techniques**.



## Membership

- I am an Executive member of the **Rotaract Club of KEC**, dedicated to fostering **community service** and **leadership development**.