Deepanraj
Sakthivel

Backend Developer

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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 Anaysis,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 Anaylsis   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

Achivements

· 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**.