Subhasree Muthumani

Mayiladuthurai , 7094902304 , msubhasree251@gmail.com

SUMMARY

Aspiring Software Developer with foundational knowledge in Python, Java, SQL, and software development principles. Committed to continuous learning, adapting to emerging technologies, and contributing to the development of reliable and efficient software solutions.

EXPERIENCE

Codincity Digital Technology Pvt limited   July 1st - August 1st
GENAI Intern   Chennai

- **Designed** scalable AI solutions using Python, FastAPI, MongoDB, and PostgreSQL.
- **Built** intelligent chatbots with LangChain and LLMs, improving query accuracy by 30%.
- **Optimized** NLP pipelines using ML and DL models for real-world data applications.

EDUCATION

A.V.C College of Engineering   2022- 2026
Information Technology   B.Tech
8.32 / 10

Raj Vidyalaya Matric hr.sec.school   2021-2022
81%   HSC

Raj Vidyalaya Matric hr.sec.school   2019-2020
83%   SSLC

PROJECTS

House price prediction

Built a real-time house price prediction model using **Python, Pandas, scikit-learn**, and **Streamlit** for interactive visualization.

AI-Based Energy Optimization for Smart Grid

Developed a **machine learning dashboard** to forecast power demand and optimize grid cycles with **dynamic visualizations**

PDF Q&A Bot

Created a **context-aware PDF Q&A system** using **LangChain, Ollama, RAG, PyPDFLoader**, deployed via **Streamlit**.

Mini-Project

Developed **responsive web applications** using **HTML, CSS, JavaScript** for enhanced **User Experience and functionality**.

PROFILES

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SKILLS

Programming Languages & tools

Python, Java, JavaScript

Libraries/Framework

TensorFlow, Keras, Scikit-learn, Pandas, NumPy

Web Development

REST APIs, Postman , HTML, CSS

Database

MySQL

Tools & Platforms

Git, GitHub, VS Code, Jupyter Notebook

CERTIFICATIONS

python
Hacker rank

Paper Presentation

Certification in *Spatial Computing* – AVC College of Engineering

Certification in *Blockchain Technology - EGS Pillai* College of Engineering

Hackthon

Participation Certificate – GUVI & HCL Hackathon on *Speech Recognition*

LANGUAGES

English

Tamil