

PARTHASARATHI B

DATA SCIENTIST (AI FOCUS)

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PROFILE INFO

Enthusiastic and dedicated student with a strong passion for artificial intelligence (AI) technologies. Proficient in Python and Java, with hands-on experience in machine learning and data analysis. Adept at problem-solving and eager to apply theoretical knowledge to real-world applications. Committed to leveraging AI to develop innovative solutions and contribute to impactful projects. Seeking opportunities to collaborate on cutting-edge technologies and gain practical experience in the field of AI.

EXPERIENCE

Internship (2024)

THE YELLOW NETWORK | Full Stack Developer (Aug - Nov)

PROJECT - 1:

AI Insurance Chatbot

- Built an interactive web interface using **Streamlit** for **real-time user interaction**.
- Integrated **OpenAI GPT-3.5** to generate natural language responses based on user queries.
- Utilized **ThirdAI NeuralDB** for efficient document storage and retrieval from insurance PDFs.
- Implemented Retrieval-Augmented Generation (**RAG**) to provide relevant, contextual answers from policy documents.
- Key Technologies:** Streamlit, OpenAI GPT-3.5, ThirdAI NeuralDB, Python.

PROJECT - 2:

Web Scraping and Data Extraction Bot

- Utilized **Selenium** with **BeautifulSoup** to automate **web scraping and extract** content from **multiple web pages**.
- Built a pipeline to scrape, process, and store website content, ensuring the handling of dynamic content using **Selenium WebDriver**.
- Employed Natural Language Processing (NLP) techniques through **LangChain** and **Ollama LLM** to process and extract structured information (e.g., company descriptions, services, customers, partners) from the scraped content.
- Automated content storage and retrieval with structured file-saving mechanisms.
- Used **Ollama's Llama2** model for parsing and summarizing large blocks of text to derive useful company insights.
- Key Technologies:** Selenium, BeautifulSoup, LangChain, Ollama LLM, Python, Chrome WebDriver.

MORE PROJECTS

- URL shortener using AWS services(Lambda, DynamoDB, APIgateway, Postman).
- DynamoDB to S3 bucket(csv) data sharing.

EDUCATION

B.E Computer Science & Engineering

2022 - 2026

Karpagam Institute of Technology

CGPA - 7.1

HSC :

2019 - 2021

Periyar Matric Higher Secondary School

Percentage - 80 %

SKILLS

- Python
- Java
- Full-Stack development
- LangChain
- HTML / CSS / JS
- Teamwork
- Time Management
- Effective Communication
- Critical Thinking

LANGUAGES

- English
- Tamil

CERTIFICATIONS

- Oracle cloud infrastructure AI .
- AWS Academy Graduate - AWS Academy Cloud Foundations.
- AWS Cloud Practitioner Essentials.
- Introduction to Java (SoloLearn.com).
- Introduction to JavaScript.
- Python Developer.