

# PARTHASARATHI B

## DATA SCIENTIST (AI FOCUS)

📍 Coimbatore , Tamilnadu.

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### PROFILE INFO

Enthusiastic and dedicated student with a strong passion for artificial intelligence (AI) and Internet of Things (IoT) 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

##### 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.
- Applied NLP techniques (tokenization, stopword removal, lemmatization) using **NLTK** to preprocess user input and document text for enhanced accuracy.
- Implemented Retrieval-Augmented Generation (**RAG**) to provide relevant, contextual answers from policy documents.
- Key Technologies:** Streamlit, OpenAI GPT-3.5, ThirdAI NeuralDB, NLTK, 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

### CERTIFICATIONS

- Oracle cloud infrastructure AI
- Introduction to Java (SoloLearn.com)
- AWS Academy Graduate - AWS Academy Cloud Foundations

### LINKS

**LinkedIn :** <https://www.linkedin.com/in/parthasarathi-b-212630269/>

**GitHub :** <https://github.com/sarathibalamurugan>

### EDUCATION

#### B.E Computer Science & Engineering

2022 - 2026

Karpagam Institute of Technology

CGPA - 7.5

#### HSC

2019 - 2021

Periyar Matric Higher Secondary School

Percentage - 80 %

### SKILLS

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

### LANGUAGES

- English
- Tamil