Ankush Kashyap

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Education

Chandigarh University	Punjab, India
B.E (Computer Science) CGPA: **7.53**	**2020-2024**

Work Experience

Mycroft — **Bangalore**
AI Engineer Intern — **Oct 24 - Present**

- Developed advanced **document chunking strategies** using **LlamaParse and OpenAI GPT-4o,** ensuring efficient information retrieval and improved processing.
- Designed and implemented a **Retrieval-Augmented Generation (RAG) evaluation set** leveraging the **Anthropic Contextual Retrieval** method to benchmark system performance.
- Enhanced system modularity by integrating **State-Of-The-Art Embeddings** for diverse document processing scenarios.

Ascella InfoSec — **Remote**
Software Engineer Intern — **Jul 23 - Oct 24**

- Spearheaded the development of the **Ascella Groups Page**, integrating interactive verticals and animations, increasing user engagement and boosting session durations by **20%**.
- Engineered **vCISO platform dashboards** and a marketplace, enabling users to access tailored security services, driving a **15% growth** in platform sign-ups.

WiperSpray — **Mohali**
Data Analyst Intern — **Sep 23 - Nov 23**

- Analyzed booking patterns, optimized service availability, and **reduced customer wait times by 12%**.
- Implemented process improvements and automation solutions, resulting in **15% increase** in productivity.
- Produced **7+** comprehensive reports and presentations **summarizing findings and recommendations**, for driving actionable outcomes.

Achievements

- Solved **300+** problems on **Leetcode**.
- Secured **4th** spot in the "Namma Yatri Open Mobility Challenge".
- Google Hash Code **2022**: Global runners-up with **2281905pts**.
- Secured Silver Medal in International Cyber Olympiad **2017 and 2018**.
- Organized and Managed all Intra & Inter School Activities as a **House Captain**.

Projects

AI Finance Agent | Python, Machine Learning, Llama 3.1, LangGraph, LangChain | *Source Code*

- Developed an AI-powered finance assistant using **Llama 3.1 LLM model** and financial tools, enabling accurate retrieval of financial metrics (e.g., EBITDA, total revenue) and delivering insights with a **95% response accuracy**.
- Integrated **7+ financial tools** (e.g., company address, full-time employees, total debt) through **langchain_core**, **improving query resolution time by 40%** compared to manual lookups via traditional APIs.

AI Web Scraper Tool | Python, Machine Learning, LangChain, Llama 3.1, Selenium | *Source Code*

- Implemented an AI-driven web scraping tool using **Selenium and BeautifulSoup**, successfully scraping and processing data from over **50+ complex websites** with vital content.
- Integrated **LLaMA 3.1 LLM model** to parse and manipulate large DOM content, improving content extraction efficiency by **30% through intelligent chunking** and prompt-based parsing.

Skills

Languages & Technologies: Python, Machine Learning, Deep Learning, Transformers, NLP, LLM, RAG

Developer Tools: Jupyter, Github, AWS, Streamlit, BeautifulSoup, Docker

Database: MongoDB, MySQL, PostgresSQL, Firebase, ChromaDB, PineCone

Frameworks: Tensorflow, Keras, FastAPI, LangChain, LangGraph, Llama Index

Certifications

Google Data Analytics Professional	Infosys Data Science Professional	GFG Machine Learning and Data Science