Manasi Khillare

Profile Summary

Data-driven professional with expertise in Python and proficiency in leveraging advanced language models (LLMs) in the Generative AI domain. Skilled in unraveling insights from intricate datasets, crafting impactful narratives, and harnessing the power of LLMs for enhanced analysis. Adept communicator, quick problem solver, and committed learner, poised to contribute significantly to AI/ML endeavors.

Contact details

@ manasikhillare0011@gmail.com
Li Linkedin Profile
Git Github Profile
📞 +91 93 73 98 44 37

Skills

- Python
- Generative AI Toolkits, LLM's(LangChain /Llama Index)
- RAG Pipeline (Weaviate, Chroma vector store)
- Flask (framework)
- Node.js, React Native, JavaScript, HTML, GitHub, Microsoft Azure
- SQL, Power BI, Spreadsheets/ Excel
- Data Analysis, Machine Learning

Experience

Full Stack AI/ML Developer at *GenAIKit*   **2023.08–ongoing**

◇ Developed end-to-end applications and built robust technology stacks for AI/ML use cases using the LangChain framework, integrating diverse models into scalable solutions, and deploying projects on cloud platforms like Azure.

◇ Explored and implemented various Generative AI Toolkits, engineered effective prompts and performed finetuning for optimal Large Language Model responses, and worked with GPT-3.5, GPT-4, and Llama models.

◇ Utilized vector databases like Chroma DB and Weaviate for efficient data management and retrieval.

◇ Interviewed candidates for internships. Managed a team of 5 interns, providing guidance and overseeing project progress using Agile methodology.

Data Analytics Intern at *iNeuron.ai*   **2023.05–2023.08**

◇ Led a data-driven internship project focused on analyzing a dynamic Airbnb dataset. Applied statistical analysis using Power BI for valuable insights. Created an intuitive dashboard and comprehensive analysis report, showcasing key discoveries and demonstrating proficiency in data cleaning, analysis, visualization, and documentation.
https://www.novypro.com/project/air-bnb-travel-data-analysis-dashboard

Machine Learning Intern at *iNeuron.ai*   **2023.03–2023.08**

◇ Led an end-to-end machine learning project in Tourism, achieving 91 percent accuracy in predicting product purchases. Conducted comprehensive data cleaning, performed exploratory data analysis, and applied data pre-processing techniques to enhance data readiness.Deployed the best model as a user-friendly web app using Flask and HTML/CSS on Heroku, enabling real-time predictions.
https://www.youtube.com/watch?v=on0zqSF7i4o

AR VR Intern at *Immersive Realities*   **2022.06–2022.08**

◇ Developed AR makeup filters in Lens Studio using JavaScript, and conducted QC analysis for a VR app, receiving appreciation for swift and high-quality completion while showcasing adaptability and problem-solving skills. Utilized Unity 3D and Python for AR flooring and head pose estimation, demonstrating proficiency across various domains in Spark AR and AR.js.

Education

Bachelor in Computer Engineering with Honors in Data Science at *Savitribai Phule Pune University*.   **2018–2022**

Projects

Consumer Creditworthiness Analysis

◇ Employed Power BI and Python libraries for data analysis and visualization of historical banking data. Utilized machine learning algorithms to uncover patterns and correlations. Engineered high-accuracy predictive data modelling techniques for fine tuning and evaluating the creditworthiness of loan applicants. Lastly, documenting the findings in a comprehensive project report.
https://github.com/Manasi0011/Consumer-Creditworthiness-Analysis

PROJECTS

PDF EXTRACTOR USING LLM

◇ Developed PDF extractor with LLMs, converting PDF pages to images and generating text summaries using GPT Vision, saved in text files. Integrated text files into a Chroma vector store for efficient data management. Developed a Chroma vector database retriever for query processing and retrieval of top k relevant text documents. Connected retrieved text docs to corresponding images using GPT Vision Implemented LLM model for queries, presenting them with images to obtain accurate responses.

COURSES AND CERTIFICATIONS

ADVANCED DATA SCIENCE AND AI TRAINING PROGRAM
Skillslash Academy.

LANGCHAIN AND VECTOR DATABASES IN PRODUCTION
Activeloops.

PUBLICATIONS

VEHICLE SERVICE AUTOMATION
IJARSCT Vol. 3 Issue 1

◇ Published a research introducing a web platform enhancing vehicle maintenance accessibility through location-based recommendations.
https://ijarsct.co.in/Paper12495.pdf

CONFERENCES

AISYWLC - DEC 2021
IEEE India Council

◇ Attended the AISYWLC conference in Kerala as a Student Branch Associate Member of IEEE Pune Section.

VOLUNTEER EXPERIENCE

EVENT MANAGEMENT VOLUNTEER AND ANCHOR
IEEE Student Branch

◇ Contributed as a dedicated volunteer for IEEE, actively involved in organizing and anchoring events focused on emerging technologies within the Science and Technology domain.

ACHIEVEMENTS

FIRST PLACE WINNER, BLOG WRITING COMPETITION
Blogathon 1.0 - IEEE Pune Section
Link to Blog

SECOND PLACE WINNER, CREATIVE WRITING COMPETITION
Unboxing Writers

◇ Translated complex concepts into engaging content, showcasing the ability to convey ideas creatively.