

Mitali Giri

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SUMMARY

Detail-oriented professional with a strong foundation in AI/ML, data analytics, and operations. Skilled in Python (TensorFlow, PyTorch, scikit-learn), SQL, and Unix, with hands-on experience building ML/DL models. Passionate about solving real-world problems in NLP, computer vision, and deep learning. Known for strong problem-solving and collaboration skills, seeking opportunities in AI/ML Engineering, Data Science, and Data Analysis.

SKILLS

Programming Languages: Python, SQL, Java, C++, HTML/CSS

Data Science & ML: NumPy, Pandas, Matplotlib, Seaborn, scikit-learn, TensorFlow, Keras, PyTorch, OpenCV, NLTK, YOLOv8, Jupyter Notebook

Tools & Platforms: Git, GitHub, Streamlit, Power BI, Microsoft Office, LangChain, Chroma, Gradio

Soft Skills: Problem-Solving, Communication, Critical Thinking, Team Collaboration

PROJECT

Car Damage Detection

github.com/MitaliGiri/car_damage_detection_project

- Developed a high-performance car damage detection model using YOLOv8 to automate insurance claim processes.
- Applied transfer learning to speed up training, achieving a mean Average Precision (mAP) of 0.51 on the validation set.
- Deployed the model via a Streamlit web app, providing real-time damage assessment to streamline the claims process.
- Fine-tuned the YOLOv8 model's hyperparameters, improving overall detection accuracy and robustness.

Semantic LLM Book Recommender

github.com/MitaliGiri/LLM_Book_Recommender

- Built a semantic book recommendation system powered by Large Language Models (LLM) and vector similarity search to enhance user experience.
- Leveraged OpenAI embeddings to encode book descriptions into dense vector representations for improved recommendation accuracy.
- Used Chroma as the vector database for efficient similarity retrieval and fast search performance.
- Integrated LangChain to orchestrate and manage the semantic pipeline, ensuring smooth operation.
- Deployed the application via Gradio, allowing users to input free-text queries and receive contextually relevant, real-time book recommendations.

EXPERIENCE

Technical & Business Operations Analyst

Amdocs

August 2021 - July 2022, Pune

- Resolved technical issues using UNIX and SQL, minimizing disruption to production environments
- Managed major incident reports, coordinating with cross-functional teams during critical system outages
- Analyzed alert trends from monitoring tools, significantly reducing false positives and improving response time
- Coordinated and executed monthly billing cycles, ensuring accuracy and timely delivery in collaboration with stakeholders
- Led process improvement initiatives by automating routine monitoring tasks, enhancing operational efficiency

EDUCATION

PG Diploma in Artificial Intelligence

CDAC - Centre for Development of Advanced Computing • Pune • 2024

Master of Computer Application

Jain (Deemed-to-be University) • Bengaluru • 2023

CERTIFICATIONS

Data Structures in JAVA

Coding Ninjas

German A1

Goethe Institute