

Keshav Garg

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EXPERIENCE

Gen AI Intern

GenAI Protos

March 2025 - Present Mountain View, California(Remote)

- Developed a Jira Assistant using LangGraph, automating issue tracking and task management through intelligent query resolution, resulting in improved workflow efficiency.
- Built an Object Detection Model using YOLO, fine-tuning the architecture for enhanced accuracy and generalization across varied datasets.
- Designed a Retrieval-Augmented Generation (RAG) pipeline incorporating a custom web crawler to dynamically construct a structured vector datastore, enabling accurate and context-aware response generation.
- Skills: LangGraph, YOLO, Object Detection, Fine-tuning, RAG, Web Crawling, Vector Databases, Python, NLP

AI/ML Intern

Agnisys Technology

May 2024 - July 2024, Noida

- Contributed to Natural Language Processing (NLP) initiatives by implementing a Retrieval-Augmented Generation (RAG) pipeline, significantly improving data retrieval accuracy and contextual response generation.
- Created an automated, interactive dashboard using user behavior data, eliminating manual data entry and reducing processing time by 100%.
- Collaborated with cross-functional teams to deliver scalable, high-impact solutions, leading to improved project outcomes and increased client satisfaction.
- Skills: RAG, NLP, Dashboard Automation, Python, Data Visualization, Cross-functional Collaboration, Streamlit, Pandas

PROJECT

Ra.One – Human-like AI WhatsApp Assistant

github.com/KeshavG69/RaOne

- Developed and deployed an AI-powered WhatsApp assistant using LangGraph for real-time, context-aware conversations with emotional intelligence
- Implemented dual-memory architecture with PostgreSQL (short-term) and Pinecone (long-term) for personalized, memory-augmented dialogue
- Integrated LLMs (Groq), ElevenLabs voice modules, and multimodal inputs for natural, human-like interactions
- Skills: Python, LangGraph, LLMs, NLP, Pinecone, PostgreSQL, ElevenLabs, Groq, Multimodal AI, Vector Databases, Deployment

Dasher Support Automation System

dooidash.streamlit.app

- Developed an AI support agent inspired by DoorDash to handle Dasher queries autonomously
- Scraped 100+ help articles using Selenium, summarized and embedded them for contextual retrieval
- Built an LLM-powered agent with tools for searching, generating, and verifying responses
- Added response guardrails using semantic similarity + LLM evaluator for safe, accurate replies
- Deployed via Streamlit app and CLI; enables real-time, agent-driven support automation
- Skills: Python, LangChain, Cohere, Groq, Together AI, Selenium, Streamlit, Pinecone

LegalInsight

legal-insight.streamlit.app/

- Developed a Streamlit app to summarize legal PDFs, retrieve similar judgments, and suggest case strategies using LLMs.
- Added a “Chat with PDF” feature for interactive document Q&A using vector search and LangChain.
- Enabled local, privacy-first deployment via Ollama with support for open-source LLMs.
- Skills: Python, Streamlit, LangChain, NLP, ChromaDB, Ollama, PyPDF2, Tesseract, Prompt Engineering

VividVision

github.com/KeshavG69/VividVision

- Solved the challenge of black-and-white video enhancement by automating colorization for historical restoration and visual enrichment.
- Implemented the pix2pix GAN architecture from scratch, transforming state-of-the-art research into a fully functional video colorization pipeline.
- Engineered custom loss functions, efficient data pipelines, and advanced training optimizations in PyTorch, demonstrating expertise in GANs and computer vision.
- Skills: PyTorch, GANs, pix2pix, Deep Learning, Computer Vision, Video Processing, Model Optimization, Research Implementation

EDUCATION

Bachelor of Technology (Computer Science)

Amity University Noida • Noida • 2025

INVOLVEMENT

Vice-Captain

Noida • Amity University, Noida Chess Team • September 2021 - Present

- Secured a bronze medal in Amity University's Sports Meet, showcasing leadership, teamwork, and strategic skills in collegiate competitions.

SKILLS

Programming: Python,SQL

Machine Learning & AI: LLMs, LangChain, RAG, Transformers, Deep Learning, NLP

Data Science & Engineering: Feature Engineering, Vector Databases

MLOps & Deployment: MLflow, FastAPI, Hugging Face, ONNX

Cloud & DevOps: AWS

Tools & Frameworks: TensorFlow, PyTorch, Scikit-learn, OpenAI API, LlamaIndex,

Web & Version Control: Streamlit, Git, GitHub, CI/CD