Keshav Garg

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SUMMARY

Motivated and highly skilled AI/ML Engineer with a strong foundation in natural language processing, computer vision, and advanced machine learning frameworks. Proven track record in developing and deploying innovative AI solutions, particularly in legal tech and voice agent systems. Experienced in Python, and various ML frameworks, with a keen ability to translate complex problems into effective, scalable solutions. Demonstrated success in leading projects, from concept to implementation, while maintaining a commitment to continuous learning and collaboration. Seeking to contribute expertise in a dynamic and forward-thinking environment, driving impactful AI innovations.

EXPERIENCE

AI/ML Intern

Agnisys Technology   May 2024 - July 2024, Noida

- Collaborated with IDesignSpec teams to automate data retrieval process, saving approximately ₹80L and reducing errors by 95%, significantly improving client satisfaction directly impacting 100% company's clients.
- Implemented a Retrieval-Augmented Generation (RAG) pipeline to improve data retrieval to eliminate 100% engineers intervention.
- Created an automated interactive dashboard using Plotly and Dash to visualize user data, significantly reducing manual data entry by 100% and saving up to 2 hours per week, and hosted it on the company's server for seamless access.
- Collaborated effectively with cross-functional teams, leveraging collective expertise to drive project success and enhance overall team performance.

PROJECTS

LegalInsight

legal-insight.streamlit.app • June 2024 - August 2024
- **Developed a web application** that streamlines the analysis of legal chargesheets by automating summary generation, retrieving relevant past judgments, and providing strategic insights.
- **Features**: Enables users to upload PDF chargesheets, generates concise summaries, retrieves similar past judgments, offers AI-driven case strategies, and includes an interactive "Chat with PDF" feature for detailed document engagement.
- **Technologies**: Built with Streamlit for the frontend and Python for backend processing.
- **Problem Solved**: Simplifies the review of legal documents, improving efficiency and decision-making for legal professionals by integrating comprehensive analysis and interactive features.

NameGenie

github.com/KeshavG69/NameGenie • July 2024 - July 2024
- **Problem Solved:** Streamlined the process of renaming files based on content to improve organization and searchability.
- Developed an intelligent file renaming system using state-of-the-art NLP and computer vision models.
- Implemented content-based renaming for text and image files using Florence-2-base and Qwen1.5-1.8B-Chat models.
- Engineered efficient token management and naming conflict resolution systems, ensuring optimal performance.

VividVision

github.com/KeshavG69/VividVision • April 2024 - April 2024
- **Problem Solved:** Automated the colorization of black and white videos to enhance visual appeal and historical video restoration.
- Implemented the pix2pix GAN architecture from scratch for video colorization, translating advanced research into functional code.
- Developed custom loss functions, data pipelines, and training optimizations using PyTorch, showcasing deep understanding of GANs and computer vision techniques.

X- RayVis

github.com/KeshavG69/X-RayVis • June 2022 - July 2022
- **Problem Solved:** Enhanced the diagnosis and analysis of medical images by implementing advanced visualization techniques.
- **Developed** an image processing tool using TinyVGG architecture, achieving 92.5% accuracy.
- **Optimized** model performance through transfer learning and data augmentation, resulting in increased diagnostic accuracy.
- **Usage:** Users can clone the GitHub repository to utilize the tool.

EDUCATION

Bachelor of Technology (Computer Science)

Amity University • Noida • 2025
- Relevant Coursework: Machine Learning, Data Structures, Algorithms, Artificial Intelligence, Computer Networks, Database Management Systems

INVOLVEMENT

Vice-Captain

Amity University,Noida • Chess Team • September 2021 - Present
- Helped secure a bronze medal in the Amity University Sports Meet.
- Demonstrated leadership, teamwork, and strategic skills during collegiate-level competitions.

Volunteer Teacher

URB5 Foundation • January 2024 - March 2024
- Volunteered at URB5 Foundation, delivering tailored educational programs and support to underprivileged children.
- Collaborated on activities, monitored progress, and conducted community outreach.

SKILLS

Programming Languages: Python
GenAI Tools: LangChain, Vector DB,Large Language Models
Deep Learning & AI: PyTorch, Scikit-learn, Huggingface, NLP, Matplotlib, Deep Learning Modeling
Data Analysis & Visualization: Pandas, NumPy, Data Analysis
Web Technologies: Selenium, Web Scraping
Soft Skills: Team Coordination, Leadership, Communication, Problem-solving, Adaptability, Time Management