ABHAY ROHILLA

Artificial Intelligence Engineer

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PILANI - RAJASTHAN - INDIA ⌂

SUMMARY

Ambitious and driven Artificial Intelligence Engineering student with a profound passion for cutting-edge AI technologies. Strong foundation in Machine Learning, Deep Learning, Natural Language Processing, and Generative AI. Seeking challenging internship or entry-level opportunities to leverage academic prowess and project experience to contribute innovative AI solutions in a dynamic organization.

EDUCATION

Bachelor of Technology in Artificial Intelligence Engineering

BKBIET, Pilani, Rajasthan, India | 2021 - Present

- **Relevant Coursework:** Machine Learning, Deep Learning, Natural Language Processing, Large Language Models, Generative AI

SKILLS

- **Programming Languages:** Python, C++, Java
- **AI Technologies:** TensorFlow, Keras, Langchain, Huggingface
- **Web Development:** HTML, CSS
- **Other Skills:** Data Analysis, Algorithm Optimization, Model Deployment

PROJECTS

Image Caption Generator
- Developed an AI model to generate descriptive captions for images using a combination of Convolutional Neural Networks (CNN) and Recurrent Neural Networks (RNN).
- Trained the model on large datasets to improve caption accuracy and relevance.
- Implemented and tested the model to ensure it generates meaningful and contextually appropriate descriptions.

Traffic Sign Classification
- Created a model for classifying traffic signs using Convolutional Neural Networks (CNN).
- Preprocessed image data and augmented datasets to enhance model robustness.
- Achieved high classification accuracy by fine-tuning the model and optimizing hyperparameters.

Chatbot Conversation Using Open Source LLM
- Created a conversational AI chatbot using open-source Large Language Models (LLMs).
- Integrated the chatbot with various APIs to enhance its functionality and responsiveness.
- Conducted extensive testing to ensure robustness and accuracy in different scenarios.

PROFESSIONAL EXPERIENCE

Experienced AI Developer with a Track Record of Success With two years of hands-on experience in the dynamic field of AI, I have honed my skills in Django, Python, TensorFlow, and various other technologies. My professional journey has been marked by impactful contributions, ranging from developing robust Artificial Intelligence Models and Large Language Models.

Algorithm Optimization for AI Models

- Worked on optimizing various AI algorithms to enhance their efficiency and performance.
- Focused on reducing computational complexity while maintaining or improving model accuracy.
- Implemented these optimized algorithms in different AI projects to validate their effectiveness.