

Md Wasif Raza

ahamedwasif07@gmail.com | +91-9576316902 | linkedin.com/in/wasifraza321

EDUCATION

Bachelor of Technology in Mechanical Engineering

Aryabhatta Knowledge University, Patna, Bihar

2022

CGPA: 7.68

WORK EXPERIENCE

AI Engineer, FLAM

March 2024 - August — Bengaluru

- **Celebrity Integration System:** Developed and deployed a system for seamless integration of images and videos of well-known celebrities using advanced imaging techniques.
- Implemented a user-friendly interface for managing and accessing the integrated media content.
- Utilized Python, OpenCV, Computer Vision, PyTorch, and TensorFlow.
- Applied data preparation techniques to ensure high-quality input.
- Fine-tuned diffusion models to enhance images with adjusted shadows, lighting, and tint.
- Achieved realistic and visually appealing results.
- Reduced image processing time by 30% through optimization of neural network architectures.
- Collaborated with a multidisciplinary team to successfully launch the system in a production environment, receiving positive feedback from users and stakeholders.

ML Engineer, Siwe Tech

May 2022 - Dec 2023 — Remote

- **Patent Similarity Analysis System:** Developed a comprehensive system to generate similarity scores for patent descriptions based on patent numbers.
- Utilized Python integrated with RAG, Langchain, and LlamaIndex for thorough patent document analysis.
- Designed and deployed a deep learning model to summarize patent documents from a dataset of 1.2 million training documents.
- Extracted and classified patent claims, assessing similarity with advanced cosine similarity metrics.
- Implemented an automatic categorization mechanism for patent documents.
- Proficient in Generative AI, BERT, GPT-3, and Azure for enhanced performance.
- Achieved a significant reduction in manual review time, increasing operational efficiency by 40%.
- **Chatbot Development:** Developed a cutting-edge chatbot capable of mimicking specific individuals based on provided information.
- Inspired by the "Black Mirror" series, increased user engagement by 30% and improved data quality by 25% through structured chat conversations.
- Enhanced response accuracy by 15% with innovative features such as emoji elimination, link management, and word correction.
- Reduced vocabulary size by 12% using advanced tokenization, filtering, and lemmatization techniques.
- Fine-tuned Python, BERT, and GPT models, achieving an impressive 90% response accuracy.
- Successfully deployed on AWS with a 99.9% uptime, ensuring reliable and consistent performance.
- Pioneered user-centric features, resulting in a 20% increase in user satisfaction and retention.

SKILLS

- Python, EDA, NumPy, Pandas, Matplotlib, Scikit-learn
- TensorFlow, Keras, PyTorch
- Data Cleaning, Feature Engineering
- Supervised Learning, Unsupervised Learning
- NLP, ML Algorithms, LLM, Generative AI
- RAG, LlamaIndex, Langchain, BERT, GPT
- Transformers, Hugging Face
- Git, GitHub
- AWS, Azure