JATIN JHA
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A-93/5 Chattarpur Extension, New Delhi - 110074, India

SKILLS

- **Programming Languages**: Python, R, SQL, JavaScript, C++
- **AI/ML Frameworks & Libraries**: TensorFlow, Hugging Face Transformers, ResNet, CNN, LangChain, LLaMA Index
- **Tools & Technologies**: Power BI, MSSQL, Pinecone (Vector DB), Docker, Kubernetes, Git, Chart.js
- **Cloud Platforms**: Microsoft Azure (Azure OpenAI, Azure AI Services, Cognitive Services), AWS (Amazon SageMaker, AWS AI Services), Google Cloud Platform (Google Vertex AI, Cloud AI)
- **DevOps & LLMOps**: CI/CD Pipelines, Containerization (Docker, Kubernetes), Orchestration, PR Reviews
- **Front-end Technologies**: React, Angular, Streamlit, Chainlit, Flask
- **ML Techniques**: Supervised & Unsupervised Learning, Advanced NLP, Generative AI, Computer Vision
- **Model Evaluation Metrics**: BLEU, ROUGE

PROFESSIONAL EXPERIENCE

Software Developer Feb 2024 – Aug 2024
McDermott International, Ltd – New Delhi, India

- Developed a web-based monitoring tool using Angular and ASP.NET, reducing manual tracking efforts by 40%.
- Integrated Power BI for real-time reporting, boosting data-driven decision-making speed by 55%.
- Optimized MSSQL database queries to achieve 32% faster data retrieval and reduce storage costs by 20%.
- Automated infrastructure footprint tracking, cutting assessment time by 4 weeks.
- Streamlined cross-team collaboration by implementing a centralized data management system, enhancing efficiency by 35%.
- Led API performance enhancements that improved response times by 50% for seamless scalability.
- Conducted system audits and performance tuning, reducing downtime incidents by 22%.

AI/ML Intern July 2023 – Aug 2023
IBM Corporation – India

- Built an AI application for mood detection using camera input, employing Linear Regression and CNN to achieve 82% accuracy.
  Enhanced mood detection efficiency by integrating Python with ResNet models, yielding a 15% accuracy improvement.

PROJECTS

Text-to-Image Generation Model

- Created a compact version of Stable Diffusion optimized for single-board computers, reducing power requirements to 1 core and 250 MB RAM.
- Technologies: Python, Stable Diffusion, HappyFace, VAE

Period Prediction Website

- Engineered an interactive period prediction site using Vanilla.js and Chart.js to present real-time analytics; implemented robust security measures resulting in zero data breaches across the platform within six months of launch.

EDUCATION

Bachelor of Technology in Computer Science
Galgotias University, 2021 – 2024

Diploma
Pusa Institute of Technology, 2018 – 2021

High School
Kendriya Vidyalaya, 2018