Trilok Nath

Data Scientist

Results-driven Data Scientist with 5+ years of experience in software development and data science, currently at IBM in Gurgaon. Expertise in Generative AI, RAG, Azure, SQL, and Python, delivering high-impact solutions that drive business transformation. Proven success in integrating Odoo ERP with accounting tools at Webkul Software and developing ERP systems and e-commerce platforms at Chadha Industries. Known for a passion for continuous learning, innovation, and effective teamwork.

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WORK EXPERIENCE

Data Scientist - Artificial Intelligence
IBM India Private Limited

03/2022 - Present   Gurugram,India

Achievements/Tasks
- **Content Generation System (CGS)** : Spearheaded the development of an automated product that cut down regulatory approval document processing time by **80%**, reducing it from several months to just a few weeks. Deployed successfully on the client's Azure Cloud, accelerating regulatory workflows.
- **Chat Virtual Agent Pilot** : Contributed to the development of a Virtual Agent that enhanced digital self-service using WatsonX Assistant and LLMs. Key achievements include a **50%** reduction in the number of clicks required to find relevant information on the website, improving user experience and support efficiency.
- **GenAI ABCOrder** : Co-developed a Generative AI solution that increased order placement efficiency by **25%**. Delivered impactful features like automated data extraction, product description enhancements, and a RAG-powered virtual assistant, significantly optimizing the customer experience.

Software Engineer
Webkul Software Pvt. Ltd.

08/2021 - 03/2022   Noida,India

Achievements/Tasks
- Engineered connectors that automated the integration of accounting software (FreshBooks, Xero, Zoho) with odoo ERP, reducing manual data entry time by **50%** .
- Implemented real-time data synchronization between Odoo ERP and e-commerce platforms (Prestashop), enhancing data accuracy and improving transaction processing speed by **20%** .
- Optimized system performance through debugging and feature enhancements, increasing overall platform efficiency by **10%** .

Software Engineer
Chadha Industries Pvt. Ltd.

03/2019 - 06/2021   New Delhi,India

Achievements/Tasks
- Developed and launched web applications on Azure Cloud, which reduced operational costs by **20%** due to optimized cloud resource allocation and performance.
- Customized Odoo ERP modules, leading to **25% improvement in business process efficiency** and tailored functionality to meet specific business needs.
- Built and deployed microservices-based web applications, ensuring seamless integration with REST APIs, improving response times and scalability by **30%** .

EDUCATION

B-TECH
Kurukshetra University

06/2014 - 06/2018   Haryana

PROGRAMMING SKILLS

OpenAI GPT   Document Question Answering (DQA)
Parameter-Efficient Fine-Tuning (PEFT)
Prompting Engineering   Large Language Models (LLMs)
Vector Stores   Langchain   Autogen   Watsonx.ai
MlFlow   Python   SQL   Azure   GCP   pyspark
Data Cleaning   Pandas   Numpy   Scikit-Learn
FastAPI   Flask   Django   Data Parsing
Databricks   MLops   Generative AI   OpenAI
Weaviate   Milvus   Pinecone   Github
Azure Devops   NLP   Docker   Kubernetes
Multiagents   API Development   AZ-900   AI-900
DP-900

AWARDS AND CERTIFICATIONS

Entrepreneur Award - 2024
IBM
- Awarded for delivering exceptional solutions, driving innovation, and making key contributions to high-impact projects.

IBMer Appreciation - 2023
IBM
- Recognized for demonstrating outstanding teamwork and impactful contributions to cross-functional projects.

Microsoft Certified: AZ-900, AI-900 and DP-900
Microsoft
- Validated foundational expertise in Microsoft Azure, covering cloud computing principles, AI workloads, and Azure's AI and data services.

LANGUAGES

English
Professional Working Proficiency

Hindi
Native or Bilingual Proficiency